

# Berkeley Global Internships

## Tokyo Resume Tips

- **Please be sure to include a professional headshot on your resume. If you do not have a professional photo, please utilize the [UC Berkeley Career Engagement photo booth](#).**
  - The [Iris Booth](#), available at the Berkeley Career Engagement office, offers a quick and efficient way to take professional portraits. This self-serve photo booth captures your best angles and genuine smiles in just minutes and your photos will be sent straight to your berkeley.edu email.
  - Simply visit our office with your Cal 1 Card for your portrait session. Don't miss out on this fantastic opportunity to showcase your professional self! Check out these tips to [get ready for your Iris Booth photo session](#).
  - **NOTE:** The Iris Booth is available to take professional photos only. Inappropriate photos will immediately be deleted without notification as a proactive step to ensure professionalism and responsible use of the booth.
  - **Location:**
    - Berkeley Career Engagement  
2440 Bancroft Way, 3rd floor  
Berkeley, CA 94720-4350
  - **Hours:**
    - The [Iris Booth](#) is accessible during our regular office hours and is not available on virtual office days. Please refer to our [Berkeley Career Engagement homepage](#) for the schedule of office and virtual days, as these may vary throughout the year.
- **Please follow the templates provided on the next page(s).**
  - Students who are interested in STEM or technical placements, please utilize the first template, highlighting relevant coursework and skills.
  - Students who are interested in all other industries, please utilize the second template.
  - Students who are interested in creative/design industries, please include a link to a portfolio.



# Your name

Email • Phone number • github.com/• linkedin.com/

## Overview

I am interested in full-stack/cloud and/or hardware systems development as it allows me to delve deeper into my passion for software + hardware development, as seen through my multiple robot projects. The process of developing a solution to a real-world problem truly excites me, and I thoroughly enjoy the journey of communication and collaboration within a team environment.

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## Key Technical Skills

- Java, Python, C, Arduino C, Dialogflow, Github, Unix, Hardware, ROS Turtlebot2

## Work Experience

**Research Assistant at The University of Auckland** Aug 2022 – Present Maintenance and managing the current robot platforms.

- Worked on in house, and commercial robot platforms mainly focusing on navigational robot systems using ROS, Python, Gazebo Simulation.
- Updating outdated robot platforms and publishing manuals for continued maintenance. **Ecommerce**

**Manager/Developer at iNaturalNZ** Oct 2021 – Present • Setup and maintained Shopify, TradeMe, and NZ Post ecommerce solutions.

- Setup TradeMe and Shopify integration using TradeVine.

**Robotics Teacher at CiLab** Feb 2021 – Present • Organized and delivered educational programs to teams that competed in the International Robotics Olympiad and won category gold medals.

## Robot Projects

The following robot projects were part of participation in multiple international competitions and conferences. Most of these projects were completed with the same team members throughout the years.

**MENYO** ([ICSR 2<sup>nd</sup>](#), [HRI Finalist](#), [ACM paper published](#), [LEGO WRO 5<sup>th</sup>](#))

- Low-cost Teddy robot targeted towards ASD affected children in education through physical interaction. • Iterated version added on **speech recognition** and conversation using Google's **Dialogflow**. • Built **python** bridging software between **Dialogflow** to **Arduino** CPU.

**Mr TT.** ([IEEE TENCON 2<sup>nd</sup>](#), [IRO 1<sup>st</sup> & 2<sup>nd</sup>](#))

- Turtle plush toy with **speech recognition** and conversational interaction targeted towards ASD affected children through natural speech and educational games.
- Implemented conversation through Google **Dialogflow**.
- Games displayed on **Scratch GUI** with Mr TT. as an interactive controller.

**Smart Ferry** ([IRO 1<sup>st</sup> & 2<sup>nd</sup>](#))

- Autonomous ferry robot with 3 level safety system and live obstacle avoidance on water. • **Ultrasonic sensor** for live obstacle avoidance.
- **Water sensor** adjusts the height of the motors.
- Arms balance the ship when according **tilt sensor** detected.

**Autonomous Algae Cleaner** ([IRO 1<sup>st</sup> & 2<sup>nd</sup>](#))

- Autonomous Marine robot targeting clean-up of toxic algae species on lake/river/stream surfaces. • Optimised buoyancy through weight reduction and structure design.
- Developed **swimming arm mechanisms** biomimicking turtle movements.
- **Colour sensor** for autonomous detection and clean-up of specific algae.

**TUTUS** ([ICSR Finalist](#))

- **Autonomous** apartment complex package deliveries
- Basic FSM in **Arduino C**

- **Line tracing**

### **Autonomous Delivery System (IRO 2<sup>nd</sup> & 3<sup>rd</sup>)**

- Autonomous produce delivery boat, dock, road detection system.
- System of robots building on previous floating, and line tracing concepts.
- Wireless communication between robots.
- **Arduino LCD**
- **Temperature sensors** for temp regulation with fresh cargo.
- Auto watering of fresh produce cargo.

## ***Achievements***

<b>University of Auckland 360 Exchange Award – Asia</b>	2023
• Awarded \$1,800 towards semester exchange at Seoul National University	
<b>LEGO World Robot Olympiad (5<sup>th</sup> Place)</b>	2022
<b>IEEE NZ North R&amp;A Society Service Award</b>	2022
• Awarded for dedication and excellence to Robotics Olympiad	
<b>23<sup>rd</sup> International Robot Olympiad (1<sup>st</sup> &amp; 2<sup>nd</sup> Place)</b>	2021
<b>HRI Student Design Competition Finalist</b>	2021
• Co-authored paper published to ACM	
<b>IEEE TENCON Robot Design Competition (2<sup>nd</sup> Place)</b>	2021
<b>Rangitoto College Excellence in Calculus &amp; Statistics</b>	2021
<b>ICSR International Social Robotics Conference (Finalist in Hardware Innovation)</b>	2020
<b>22<sup>nd</sup> International Robot Olympiad (1<sup>st</sup> &amp; 2<sup>nd</sup> Place)</b>	2020

## ***Education***

**University of Auckland** Mar 2022 - Present Bachelor of Engineering (Computer Systems)

- Software Engineering, Computer Systems, Mathematical Modelling, Electrical Engineering

**Rangitoto College** 2017 - 2021 NCEA Level 1, 2, 3 | Endorsed with Excellence

## ***Clubs & Societies***

<b>UoA Google Dev Student Club</b>	2023
<b>UoA Web Development &amp; Consulting Club</b>	2023
<b>UoA Volleyball Club</b>	2023
<b>UoA Basketball Club</b>	2022
<b>UNICEF Rangitoto College</b>	2019
• Designed and published poster raising awareness on social injustices for UNICEF social media account.	

## ***Interests***

Playing guitar, sippin on Mango smoothies.

*Referees available on request*



## Your name

- ❖ Your email address ❖ (+64) your phone number
  - ❖ Auckland, New Zealand
  - ❖ Your LinkedIn link
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## WORK EXPERIENCE

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**Beca Feb. 2023 – Present** *Graduate Planner Auckland* ▪ Supporting Growth Alliance (Tu Tupu Ngatahi) - North West Package

- o The North West Package (strategic and local network of roads) includes 19 Notice of Requirements to plan for the future growth in Whenuapai, Kumeu, Huapai, Redhills and Riverhead
- o Managed a team to assess over 600 public submissions and triaging them to appropriate specialists
- o Conducted public consultation meetings with landowners discussing the impacts of the project on their site and the wider area
- o Delivered statutory assessments for both Regional Consents and the Notice of Requirements
- o Co-ordinated wider team workshops, site visits and meetings for teams including planning, legal and specialists
- o Supported the planning, legal and communications & engagement teams in the Post-Lodgement phase of the project

**Auckland Council Nov. 2021 – Dec. 2022** *Planning Intern Auckland* ▪ Reviewed and processed various types of resource consent applications under the Resource Management Act 1991 and Auckland Unitary Plan

- Assessed and processed various types of building consents under the Building Act 2004 .
- Provided support and training to fellow interns on building consents

**Wang Lao Ji Dec. 2019 – Feb. 2020** *International Business Intern Guangzhou, China* ▪ Conducted full market analysis for the Southeast Asia market

- Negotiated and managed a relationship with 2 new Cambodian Distributors

**Millenium Retail Nov. 2020 – Feb. 2022** *Samsung Technology Champion*

- Ranked top 10 sale representatives for the launch of the new flagship (S21 phone) and top of sales for February 2021 in the country

**City Fitness Mar. 2018 – Mar. 2021** *Receptionist*

## EDUCATION

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**University of Auckland November, 2022** *Bachelors of Urban Planning (Honors) Auckland* ▪ 6.8/9 GPA

- First in Class Award: URBPLAN203 Urban Infrastructure
- Third Year Class Representative
- Students of Planning and Architecture Student Mentor
- Passport to Business Programme

## Extracurriculars

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**Eastern Students Association July 2018 – November 2020** *Vice President Auckland* ▪ Led a team of sixteen alongside the executive team in one of the biggest clubs at our university with a 35% membership growth from 2018.

- Managed and coordinated our public relations, event planning and media teams to operate for our 800 members.
- Implemented marketing/social media strategy to achieve both a 300% Instagram follower growth and a 20% Facebook page likes increase in 2019
- Ran weekly meetings for the team.

## Memberships , SKILLS & INTERESTS

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- **Memberships:** New Zealand Planning Institute Graduate Member
- **Skills:** Adobe Illustrator, Adobe Photoshop, ArcGIS, AutoCAD, Excel, Public Consultation, Sketchup and Strategic Planning
- **Interests:** Travelling, Swimming, Running, Rugby League, Basketball, Video Editing and Gym

## References

- Available upon request