






BRAYDEN HAMILTON

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I am a final year student studying a Bachelor of Engineering (Honours), specialising in Computer Systems. I have a solid foundation in software development, hands-on experience in backend enterprise software development and a reputation for striving for excellence in my academic, career and sporting endeavours.

I am recognised as a likeable individual, with high levels of empathy and a calm and collected attitude. Collaborating effectively in teams comes naturally to me, and I am both willing and competent to demonstrate leadership, when necessary, always ensuring respect and cooperation. My inquisitive nature drives me to constantly seek opportunities for growth and learning, continuously striving to improve myself.

My upbringing has combined academic excellence with high performance sport (sailing). This included winning two National championships, a 5th in a World Championship and receiving a Prime Ministers Scholarship from High Performance Sport NZ. I sail in a squad with New Zealand's best U25 sailors. In my final year at Westlake Boys, I was a Finalist for Sportsman of the year and was awarded Colin Pascoe Cup for Attitude and Sportsmanship.

TECHNICAL SKILLS

Languages


C C

 PYTHON

MATLAB


JAVA

 TERRAFORM

 SQL

 HTML5

CSS3

 R

VHDL

SCCHARTS

 MARKDOWN

Electronics & Embedded Systems

 LTSPICE

 ALTIUM DESIGNER

ATMEGA328PB

MICROCHIP STUDIO

PROTEUS VSM

 PSOC 5LP

 PSOC CREATOR

intel CYCLONE V FPGA

intel QUARTUS PRIME

MODELSIM

 RASPBERRY PI PICO

Tools

 GIT

 GITHUB

 GITHUB ACTIONS

 VIM

VISUAL STUDIO CODE

 OBSIDIAN

 NOTION

 JIRA

 TRELLO

%_ ZSH

 GNU BASH

POWERSHELL

KEY EXPERIENCES AND SKILLS

Software Engineering Intern

EROAD

2024 – 2025

I was invited back to EROAD this summer to continue to grow my backend software skills. I was involved in the migration of historical data into a new cloud-based database. I developed the script to verify the historical data had been migrated correctly with no data loss. Automating a task that was taking around two days for each month of data. During this internship I also got to make some enhancements to the reporting system I developed during my previous internship as the requirements for the project had changed. After completing this I wrote the infrastructure to deploy the system into production after verifying the report generation's accuracy in pre-production. Finally, I continued to migrate the pre-existing reports onto the new system to accelerate shutting down the old reporting system.

Software Engineering Intern

EROAD

2023 – 2024

As part of the analytics team, I was tasked to develop a new Java backend service for report generation. It had to make use of Snowflake queries and tables to build these reports which were scheduled by a separate pre-existing system. This project grew my Java skills significantly and taught me how to use spring framework and spring boot to develop the API. Alongside this intern project, I gained a deep understanding of agile frameworks and how as a team we used scrum methodology to effectively deliver work of the highest standard.

Private Sailing Coach

2022 – 2023

I was engaged to coach two young Optimist sailors privately across their season. It was a privilege to work closely with these two individuals to help mentor and fast track their sailing skills throughout the season. As a result, they were both selected to represent New Zealand internationally and one of the sailors became the female national champion which far exceeded her expectations.

Sailing Coach

Murrays Bay Sailing Club

2021 - 2022

I was appointed as a member of the coaching team supporting multiple groups of young optimist sailors ranging from those who are just learning the aspects of racing to more experienced optimist sailors competing at a national level. I was promoted to head coach of the green fleet (sailors starting to learn to race) and coached a group of the top sailors at Optimist Nationals.

Retail and Warehouse

Harken

2021 – 2022

Over my year spent working at Harken I was involved and trusted with a variety of different roles around the store. I started off working in the store providing customers with advice and support and operating the checkout. Over my time I was also involved in the warehouse managing stock and shipping out online orders.

EDUCATION

Bachelor of Engineering (Honours)

University of Auckland

2022 – present

- Specializing in Computer Systems Engineering
- Term GPA: 8.333/9.0

Secondary Education

Westlake Boys High School

2017 – 2021

- NCEA Level 3 Excellence Endorsed
- 1st in NCEA Level 3 Physics (Westlake Boys High School)
- Level 3 Excellence subject endorsements in Physics, Calculus, Statistics, And Physical Education
- Captain - Westlake Premier Sailing team (2021)
- Finalist for Sportsman of the year and was awarded Colin Pascoe Cup for Attitude and Sportsmanship (2021)
- Member of Westlake Premier Sailing team for five years

2021 First Aid and CPR trained.

AWARDS

- 2023 Sports Blues Award Winner
- 2021 National Champion 29er (high performance youth class)
- 2021 National Champion Harken Secondary Schools keelboat championship
- 2021 Harbour Sport Junior team of the year
- 2021 & 2019 Volvo Yachting NZ Excellence Awards – Youth Performance Award
- 2020 – 2021 A member of the Pre-High Performance Athlete Development (Pre HPAD) program run by High Performance Sport New Zealand (HPSNZ)
- 2019 29er World Championships – 5th Place Overall
- 2019 A part of the Pathway to Podium Program run by High Performance Sport New Zealand (HPSNZ)

PERSONAL INTERESTS

I enjoy playing a range of sports socially, including weekly social netball and occasional rounds of golf. I am passionate about sailing and have aspirations of competing at the Olympic level. Outside of playing sport, I enjoy watching and being an avid fan of football and Formula 1. I also value spending time with a broad range of friends from school, university, and my various sporting communities, appreciating the balance this brings to my life.

REFEREES

Thay Huynh

Senior Software Engineer
EROAD

Di Kun Ong

Senior Frontend Software Engineer
Halter