

Tessa Power

C++ APPLICATIONS DEVELOPER & COMP SCI STUDENT

EDUCATION

Massey University

New Zealand

BSc COMPUTER SCIENCE

JUL 2020—PRESENT

- **158.120 Fundamentals of Information Technology (A+)**
 - Understanding complex IT systems & their core components.
- **160.101 Calculus (A-)**
 - Differentiation; Integration; Infinite Sequences & Series; Numerical Integration; Partial Derivatives.
- **161.111 Applied Statistics (A)**
 - Summarise, display, & analyse data using RStudio.
- **159.101 Technical Programming (pending)**
 - C++ Programming Language; Data Structures; Algorithms.
- **169.102 Algebra (pending)**
 - Discrete Mathematics; Vector Spaces & Linear Maps; Matrices; Eigenvalues; Sequences & Series.

Baden-Württemberg State University [Duale Hochschule Baden-Württemberg]

Germany

BSc MECHATRONICS (INCOMPLETE)

SEP 2017—SEP 2018

- **Theoretical Computer Science I** [Theoretische Informatik I: Grundlagen und Logik]
 - Set Theory; Graph Theory; Propositional & Predicate Logic.
- **Theoretical Computer Science II** [Theoretische Informatik II: Algorithmen und Komplexität]
 - Big-O Complexity Analysis; Searching & Sorting; Hashing; Data Structures; Graph Traversal.
- **Electrical Engineering** [Elektrotechnik: Grundlagen der Elektrotechnik]
 - Circuit Analysis; Amplifiers; Semiconductor Devices; Linear Networks & Calculation Methods.
- **Physics I** [Physik I]
 - Newtonian Mechanics; Mechanical Waves; Fluids.
- **Technical Computer Science I** [Technische Informatik I: Digitaltechnik]
 - Number Systems; Logic Gates; Combinational Logic; Semiconductor Memory.
- **Programming in C** [Programmieren in C]
 - C Programming Language; Memory Management; Pointers & Pointer Arithmetic.

INDUSTRY QUALIFICATIONS

Certified Scrum Product Owner (CSPO)

Scrum Alliance Inc.

JAN 2020

ISTQB Foundation Level Tester

International Software Testing Qualifications Board

OCT 2019

SKILLS

Programming

- C++; Javascript

Tools

- Bash; Git; GitHub Actions; Jira; Microsoft Teams; Tortoise SVN; Visual Studio; Vim

Frameworks & Libraries

- Clang-tidy; Google Test; Jest;

Soft Skills

- English (native speaker); German (professional level)
- Product & Project Management
- Agile Methodologies

EXPERIENCE

Tātou

Blenheim, New Zealand

DEVELOPER INTERN

JUN 2020—DEC 2020

- Early-stage startup developing HRIS & precision time-tracking software for the viticulture & agriculture industry.
- Readied failing inherited automated test suites for a React Native app & ReactJS Web app for use with CircleCI.
- Introduced UI components Test IDs to improve automated test scripts & reduce maintenance time & effort.
- Initiated shift from Katalon to Detox for the React Native app & to React Testing Library for the ReactJS app.
- Refined testing processes for weekly updates & major releases.
- Documented latest technical features for internal & external stakeholders.

YR Live

London, United Kingdom

PRODUCT ASSOCIATE

OCT 2019—FEB 2020

- Mature international tech startup that creates custom software for clients offering on-demand personalised & customised printed products.
- Consulted PMs working with clients (Pokémon, M&M's, H&M, & Ralph Lauren) on product management & strategy.
- Developed the product roadmap together with the CEO.
- Worked with the CTO to refine the company's core products & their feature sets.
- Together with the CTO improved in-house software development practices & documentation processes.
- Together with the CTO introduced Agile to the development teams (distributed across Hong Kong, Japan, London, & NY).

Teleportr

London, United Kingdom

COMMUNITY EVANGELIST

SEP 2018—OCT 2019

- Tech startup focussed on modernising the parcel delivery industry using geofencing & real-time data.
- Managed release of three iOS apps to the App Store.
- Worked with developers to introduce scripted release management into our CI/CD pipeline.
- Made & deployed adjustments to the ReactJS website.
- Created, documented, & maintained test suites for three iOS apps & the ReactJS website.
- Coordinated beta tester user groups through TestFlight.
- Coordinated & implemented online & physical marketing efforts via social media platforms.
- Tracked/analysed inbound traffic on the website & in the iOS apps with Google Analytics.
- Created a NodeJS tool to clean, parse, & inject meta-data into a .csv file downloaded from Google Analytics.

Cenit

Stuttgart, Germany

DEVELOPER INTERN

SEP 2017—SEP 2018

- Cenit develops the world's leading software for offline robotics programming & production line process optimisation.
- Worked in the R&D department for Cenit's FastSuite 2 software with the department leader as mentor.
- Aided the development of a tool that opened the user manual pages for a given function or button the mouse was hovering over when the user pressed the F1 key, written in C#.
- Sponsored 1 year study of a BSc Mechatronics at the BW State University [Duale Hochschule Baden-Württemberg].

References available upon request