LEIF PEDERSEN

12420 Flury Drive ◇ Richmond, B.C. V6V-1H5
(778) · 927 · 4522 ◇ leifcnp@gmail.com ◇ leifcnp.com

TECHNICAL SKILLS

Computer Languages	Java, Python, Typescript, C++
Protocols & Frameworks	XML, JSON, REST, JUnit, Mockito, git, Gerrit, React Native
Knowledge	Object Oriented Design, Operating Systems, Algorithms and Data Structures

WORK EXPERIENCE

Tableau Software May 2018 - August 2018
Software Engineer (TypeScript) *Palo Alto, CA*

- Developed Tableau Mobile's Biometric sign in, Face and Touch ID to be used by over 100,000 customers.
- Evaluated different libraries and feature implementations for their security and ease of customer use, the team accepted my recommendations on the approach.
- Identified source code defects in a React Native library's Objective-C and rapidly pivoted the project onto a superior library.

Tasktop Technologies September 2017 - April 2018
Junior Software Engineer (Java) *Vancouver, BC*

- Lead release testing Tasktop Hub and Sync, 4 defects all fixed before release deadline.
- Installed an algorithm to synchronize comments in systems with different threading structure.
- Rapidly prototyped a feature during its technical analysis phase so I could demo to sales the desired functionality. Proof of concept allowed the feature to be pushed to product release.

TECHNICAL EXTRACURRICULAR ACTIVITIES

UBC Rocket July 2017 - May 2018
Engineering Design Team Project Lead *ubcrocket.com*

- Managed an interdisciplinary team of 21 engineering and science students to build the electronic systems on the team's sub-orbital rockets. Successful first launch and recovery.
- Oversaw inter-team disagreements and design conflicts on a team of 80.
- Designed the PCB and wiring integration with the rocket body complying with all IREC wiring and mounting requirements. Won 1^{st} place in the most popular division at the Spaceport America Cup.

UBC Rocket September 2017 - April 2018
Developer (C++) *UBC Rocket*

- Designed rocket avionics algorithms for redundant parachute systems complying with all IREC Safety and Requirements Documents.
- Integrated IMU and altimeter sensors with flight algorithms using custom written libraries for improved freefall accelerometer measurements.

UBC iGEM January 2017 - December 2017
Developer and Lab Technician (Python) *UBC iGEM*

- Collaborated with microbiology students developing a program for informed designed CRISPR guide sequences. Our Software was nominated for Best Model at the 2017 International Genetically Engineered Machinery Competition.

EDUCATION

University of British Columbia *December 2019*
4^{th} Year Bachelor of Science, Honours Computer Science
Average: 91.2%