

Work Experience

Synopsys, Inc.

Calgary, AB

Technical-Engineering Intern

May 2017 - Aug. 2017

- Worked in Java with a Selenium-based automation framework to automate existing manual test cases.
- Worked on CSV automation (validating generated CSV files against constructed models).
- Worked on improving PDF automation.
- Participated in daily standup emails and weekly team meetings.

Synopsys, Inc.

Calgary, AB

Technical-Engineering Intern

May 2016 - Aug. 2016

- Worked in Java to build frameworks for GUI automation backends, using tools like SikuliX and Tesseract.
- Worked on PDF automation (parsing text from and using SikuliX visual tools on PDFs).
- Improved existing OCR functionality for desktop automation (mainly through image pre-processing with BoofCV).
- Participated in daily standup emails and weekly team meetings, sharing my progress/challenges for the past day/week, and discussing my intentions for the coming day/week.

Education

University of Calgary

Calgary, AB

BSc. in Computer Science

(Expected) Sep. 2014 - Apr. 2018

- Fourth year of studies.
- Broad interests, from assembly programming to computer graphics to emergent systems.

Sir Winston Churchill HS

Calgary, AB

High School Diploma

Sep. 2011 - Jun. 2014

- Received 7/7 in the International Baccalaureate high level computer science program.
- IB HL computer science focused on Java and introduced data structures, algorithms, and introductory software engineering practices.

Technical Experience

Projects:

- **UofC Schedule to Google Calendar:** Web app to convert UofC schedules to Google Calendars (schedule.chimerical.ca). I built this on my own time in order to learn the fundamentals of Node.js.

Programming:

- **Java:** Six years experience, including two summers in an industry setting.
- **Lua:** Six years experience, primarily for game development.
- **JavaScript:** Three years experience using jQuery, Node.js, and express.js.
- **HTML, CSS:** Four years experience, as well as Pug and Sass.
- **C++:** A couple of semesters experience, one with OpenGL and GLFW, the other with KOS.

Software:

- Advanced user of Sublime Text 3, IntelliJ IDEA, Paint.NET, and Slack.
- Proficient with Eclipse IDE, Microsoft Office, Git and GitHub.
- Familiar with Digital Ocean.

Miscellaneous: Comfortable with both Windows and UNIX workspaces and terminals. Prefers to develop with a bash terminal.

Achievements

Competitions:

- Fifth place, Division I, Alberta Collegiate Programming Contest (ACPC) 2017, on a team of three.
- Third place, Division I, Calgary Collegiate Programming Contest (CCPC) 2017, on a team of three.
- Third place, 2016 hackathon at UofC, on a team of four.
- First place, Division II, CCPC 2015, on a team of three.

Academic:

- On the UofC Faculty of Science Dean's List 2014-15, 2015-16, and 2016-17.
- Received a University of Calgary Undergraduate Merit Award, 2016.

Extracurricular Activities

Competitive Programming: Whenever I get the opportunity I enjoy challenging myself with programming competitions. I have listed some of my accomplishments for these competitions above.

Hiking: Getting out into the great outdoors is one of my favourite past-times. From simple walks to reaching the tops of mountains, I love hiking.

Photography: Getting started in photography as a hobby, and taking a course on it at UofC.

References

Available upon request.