T. Blake Mealey

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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. Honours 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.

Skills

Programming:

– **Java:** Six years experience, including two summers in an industry setting.
– **Lua:** Six years experience, primarily for game development with ROBLOX Studio.
– **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.
– Various others for small amounts of time (including C# and Python).

Software:

– Advanced user of Sublime Text 3, IntelliJ IDEA 2016, 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:

- Third place of Division I for the Calgary Collegiate Programming Contest (CCPC) 2017, on a team of three.
- Third place in the 2016 hackathon at UofC, on a team of four.
- Winner of Division II for the CCPC 2015, on a team of three.

Academic:

- On the UofC Faculty of Science Dean's List 2014-2015, 2015-2016, and 2016-2017.
- 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.

References

Available upon request.