Jeffrey Miiller

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Education

University of British Columbia   Graduation: April 2020

Bachelor of Arts - GPA: 4.10 / 4.33 (Dean's List)

· Double Major in Computer Science and Philosophy
· **Relevant Coursework**: Data Structures & Algorithms, Distributed Systems, Internet Computing, Relational Databases, Definition of Programming Languages, Hardware and Operating Systems, Software Engineering, Data Visualization

Technical Work Experience

Tasktop Technologies Inc. – Vancouver, BC   Sept 2016 - Apr 2017

Technologies: Java, HTML5, CSS3, Gerrit

Junior Software Engineer

· Developed various features using Java, HTML5, CSS3, and Gerrit. Performed code reviews.
· Built a login page and modified/restyled a Keycloak Admin Console using HTML5 and CSS3.

Replicon – Calgary, AB   May 2016 - Aug 2016

Technologies: C#, AWS, Appveyor, Git

Software Development Engineer Intern

· Implemented more than eight continuous delivery pipelines for C# projects using AWS CodePipeline.
· Migrated 8+ C# projects to Appveyor.

Replicon – Calgary, AB   May 2015 - Aug 2015

Technologies: C#, Git, NuGet, Git, AccuRev

Software Development Engineer Intern

· Contributed to a C# console application to successfully migrate Replicon version control data from AccuRev to Git.
· Configured 10+ C# projects to use NuGet packages to improve configuration management practices.

Projects

DNS Shark *(personal)*

Technologies: Python, TravisCI, Codecov, PyPi, MyPy

· DNS Shark is a command line interface DNS resolver capable of resolving domain names to IPv4 and IPv6 addresses. The tool is capable of performing resolution involving A, AAAA, CN, and NS resource record types.
· Code coverage analysis with Codecov (97% coverage). Continuous Integration/Delivery with TravisCI.

NY Times Democratic Presidential Primary Coverage Tracker (academic)

Technologies: HTML5, CSS3, JavaScript, D3.js

· Worked in a team of three to develop a comprehensive, interactive data visualization of the NY Times Democratic Presidential Primary coverage. Our project was recognized as being in the top three projects.

www.jeffreycodes.com (personal)

Technologies: HTML5, CSS3, Heroku, Django, Python

· Personal website built with HTML5, CSS3, Django, and Python. Deployed with Heroku.

insightUBC (academic)

Technologies: TypeScript, Node.js, Mocha, Chai, ESLint

· Developed syntactic JSON query verification against an EBNF grammar and the execution of JSON queries over UBC course metadata.
· Developed the ability to schedule courses in a manner that maximizes total course enrolment and minimizes distance between courses, whilst following several hard constraints.

Skills

Technologies: (proficient): Java, JavaScript, D3.js, HTML5/CSS3, Git, Python; (familiar): Haskell, Django, SQL, AWS, TravisCI, TypeScript, Node.js, Mocha, Chai, C, ESLint

Non-Technical Work Experience

UBC Student Housing and Hospitality Services – Vancouver, BC   Sept 2015 - Aug 2019

Residence Advisor
- Fostered community and teamwork among UBC Student Housing residents in addition to providing emotional and academic support.
- Worked in teams of 6-8 to host 50+ social events.

UBC Culture and Self Lab – Vancouver, BC   Aug 2017 - April 2018

Research Assistant
- Ran over 200+ participants for psychological studies. Performed literature review.

UBC Infant Studies Centre – Vancouver, BC   Aug 2017 - April 2018

Research Assistant
- Provided customer service for visiting families. Conducted young children through studies. Recruited families via phone and email. Performed data analysis and literature review.