Olivia Wan

28 Sawin Street, Arlington, MA, 02474 · (617)-852-8091 · wan.o@husky.neu.edu
github.com/omwan · omwan.github.io · linkedin.com/in/olivia-wan

Available May 2019

Education

Northeastern University, 3.89/4.00
College of Computer and Information Science
Candidate for Bachelor of Science in Computer Science and Biology
Sept. 2015 - May 2019 (expected) · Boston, MA

- **Courses:** Object-Oriented Design, Algorithms and Data Structures, Database Design, Logic and Computation, Biochemistry, Organic Chemistry, Biostatistics, Calculus for Science/Engineering

- **Honors:** Dean's Scholarship, CCIS Dean's List

- **Activities:** Girls Who Code Facilitator, iGEM Team, NUHacks, NUStage Musical Theater Company (Pit Band - Violin)

Skills

Languages: Java, Python, R, JavaScript, jQuery, HTML/CSS

Frameworks: Spring (MVC, Boot), Flask, React, AngularJS, Jasmine

Databases: Oracle SQL, MySQL, PostgreSQL, MongoDB

Tools: Maven, Tomcat, AWS, Heroku, Git/GitHub, SVN

Systems: Windows 7, 8, 10; Mac OSX; Linux

Experience

Chemistry Information Analyst Co-op
Novartis Institutes for Biomedical Research
January 2018 - present · Cambridge, MA

- Developed internal web applications for drug discovery research workflows and data analysis using Python, Flask, React, and AWS
- Interfaced with cheminformatics researchers to gather user requirements and feedback for products

Course Assistant, Logic and Computation
Northeastern University, College of Computer and Information Science
May 2016 - June 2016, September 2017 - December 2017 · Boston, MA

- Tutored first-year students in equational reasoning, functional programming, and program correctness
- Graded weekly ACL2s/Lisp-based group programming assignments for class sizes of 50-60 students
- Assisted with creation and development of homework and exam materials

Software Engineer Co-op, Feature Research Team
naviHealth
January 2017 - August 2017 · Newton, MA

- Built backend API endpoints and hooked up frontend components of web applications for post-acute patient care workflows using Java, Spring MVC/Boot, Oracle SQL, and AngularJS
- Researched and developed proofs of concept for implementations of new features and technologies, including MongoDB, Kafka Streams API, JasperReports, and Apache HTTP Server
- Refactored common services for global session management, user security, and application licensing
- Contributed to Agile process for software development using Atlassian tools (JIRA, Bamboo, etc.)

UX and Frontend Intern
Parameters
February 2016 - August 2016 · Boston, MA

- Built mobile-responsive company website on Tumblr platform using HTML/CSS and Bootstrap
- Implemented web application components using HTML/CSS, AngularJS, and Firebase
- Created preliminary user flows, wireframes, and application screen mockups

References Available Upon Request