Sarah Law

Student at Rutgers University - New Brunswick

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EDUCATION

Rutgers University - New Brunswick   **Piscataway, NJ**
Majors: Computer Science, Mathematics   *Sept 2017 - Present*

KEY SKILLS

- Languages: Java, Python, C, JavaScript, Shell (Bash)
- Tools: Cloud Integration (AWS, Azure Cloud Computing), Continuous Integration/Deployment (Jenkins), Containerization (Docker/Kubernetes)
- Platforms: Java EE, Linux

EXPERIENCE

Ascensia Diabetes Care   **Valhalla, NY**
Cloud and DevOps Intern   *June 2019 - Aug 2019*

- Designed and engineered enterprise-grade deployment framework for an arbitrary web application
- Leveraged Jenkins for maintainable and transparent CI/CD functionality
- Utilized Kubernetes, using Docker as an underlying container runtime, for automatic deployment of containerized application instances to help improve the software development life cycle (SDLC)
- Framework applied as experimental automated web app deployment across the Cloud and DevOps team

Center for Discrete Mathematics and Theoretical Computer Science   **New Brunswick, NJ**
Interface Programmer   *Oct 2018 - Present*

- Re-architected desktop front-end of XML processing application, applying modern practices that allow for modularized design
- Utilized the Java XML Binding (JAXB) framework to process an arbitrary set of XML records
- Enabled use of XML-processing backend by non-technical workers by leveraging Java FX to engineer a graphical UI for the same

Naval Reserve Officers Training Corps (NROTC)   **New Brunswick, NJ**
Midshipmen   *Aug 2017 - Sept 2017*

- Completed orientation and learned leadership and how to operate under stress
- Received full tuition scholarship

Kumon   **Branchburg, NJ**
Grader/Tutor   *July 2016 - Present*

- Grade students' papers and ensure that students understand required materials

PROJECTS

Recreation of Ebay (Principles of Information and Database Management)
Project Member   *Jan 2019 - April 2019*

- Leveraged JavaScript, Apache Tomcat, and SQL Server over AWS to build a clone of eBay
- Engineered a feature that allows user-alerts for particular items

AWARDS AND ACHIEVEMENTS

- Trustee Scholarship, a Rutgers full merit tuition Scholarship
- Dean's List