ALEX LAUNI

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Professional Experience

Ford Credit

Ann Arbor, MI

February 2021 - Present

Full-Stack Engineer | Java EE, Spring Boot, SQL, JavaScript, Vue, HTML, CSS, Flask, Extreme Programming

Mentored 4 software engineer interns through planning and delivery of full-stack feature now used by actual customers. Creates and maintains tests to ensure long-term software health and quality. Comfortable moving between varying projects using a variety of tech stacks. Decreased a critical API response time from over 3s to under 500ms. Recognized thought leader in object oriented design. Participates in Agile development and ceremonies.

U.S. Navy

August 2014 - May 2021

Navigation Electronics Technician (Submarines) First Class | Operations, AC/DC/Digital electronics, TS/SCI, Instructor

Adaptable to high operational-tempo environments: 3 overseas deployments in 4 years.

Responsible for ensuring critical equipment operational and maintained to support an unpredictable and high-tempo operational schedule. Direct supervisor for division of 5-7 sailors during overseas deployments; responsible for safe undersea navigation and all preventative and corrective maintenance for ship's critical navigation and interior communication systems.

Designed and taught curriculum for advanced submarine navigation which is delivered to senior submarine navigation personnel across the submarine force.

Trained 10 personnel from initial ascension qualifications through senior qualifications. 100% advancement to Second Class Petty Officer for sailors who were assigned as mentees.

Awarded: Navy & Marine Corps Achievement Medal (8), Good Conduct Medal (2), 2018 USS San Francisco Junior Sailor of the Year.

Trilogy Education Service

July 2019 - December 2019

Full-Stack Developer Mentor | Ruby on Rails, SQL, JavaScript, React, HTML, CSS, Heroku, AWS, Git

Provided weekly 1-on-1 assistance and professional mentorship to students enrolled in Full Stack Web Development bootcamp provided through multiple universities. Provided technical and career coaching to students as they progressed from creating static HTML and CSS websites to building complex, interactive web apps powered by Ruby on Rails, PostgreSQL, and React.

Canonical Ltd

November 2010 - February 2013

Software Engineer | Python, C++, C, JavaScript, Linux, Bash, Jenkins, Bazaar, QA, Devops

Developed automated user acceptance and integration testing framework for flagship desktop product. Lead transition to continuous integration development model for multiple projects.

Education

M.S. Computer Science

Old Dominion
University

Norfolk, VA

GPA: 3.8

August 2018 - May 2021

Coursework:

Algorithms & Data structures, Distributed Systems, Data Science, Big Data, Machine Learning, Numerical Methods, Cryptography, DevOps, Databases.

Projects:

LiftRight || Swift, Rust, Matlab, iOS, 2D Graphics, HCI, CI/CD, Kubernetes, MongoDB

Repetition and set segmentation algorithm for early, online identification of weight training exercises using a single sensor, and gamified platform for guiding a user into modifying their form.

Thematic Movie Recommendation Engine || Python, Machine Learning, Scikit-learn

Movie recommendation engine based on thematic elements pulled from movie scripts. Word2Vec and TF-IDF models.

Trend seeking in NYC with CitiBike || Python, Apache Spark, Big Data

Leveraged GIS, Citibike, and IRS datasets to identify changing trends in New York City neighborhood tax data.

Associations:

Association for Computing Machinery | National member

ACM-W | ODU chapter vice-president (2020 - 2021)

B.S. Computer Science

Temple University

Philadelphia, PA

GPA: 3.2

August 2006 - May 2010

Coursework:

Algorithms & Data structures, Foundations of Computing, Discrete Mathematics, Calculus, Philosophy.

Internships:

Jolicloud | Paris, Fr. **|** Ruby on Rails, SQL, C#, Mono, Linux

Google Summer of Code | C#, Gtk, Mono

Projects

MonarchBot || Rust, CI/CD, Docker, Mailgun, Kubernetes

Discord bot for protecting ODU CS students from cyber-abuse by verifying members of community Discord server have a valid @odu.edu email address.

Environmental Chemistry || R, Python, React, Bash, HPC, Docker

Assist Hatcher Geochemistry lab group with various data analysis and visualization scripts; simple live Text-to-QR generator developed for Hatcher geochemistry lab.