ALEX LAUNI

alex@launi.me

github.com/lamalex

linkedin.com/in/alexlauni

(610) 291-1773

Professional Experience

CSIOS Corporation

September 2021 - Present

Senior Software Engineer | JavaScript, Laravel, PostgreSQL, Elastic Search, DevOps, Cybersecurity, TS/SCI

Plan, develop, and support deployment the U.S. Army Futures' Command, Command, Control, Communications, Computers, Combat Systems, Intelligence, Surveillance, and Reconnaissance (C5ISR) Center, Cybersecurity Service Provider (CSSP).

Ford Credit

February 2021 - September 2021

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 customer facing software. Created and maintained tests to ensure long-term software health and quality. Decreased a critical API response time from over 3s to under 500ms. Participated in cross team planning and incident response, increasing team autonomy. Lead large refactoring effort of detangling poorly performing, highly coupled classes to clean modular, and high performing architecture. Participated 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 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 rate 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.

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. Part of a scrappy, mission driven team.

Education

M.S. Computer Science

Coursework:

Old Dominion
University

Norfolk, VA

GPA: 3.8

August 2018 - May 2021

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.

Grant Manager | PHP, Vue, JavaScript, MySQL, CI/CD, Heroku

Full stack project application focused on database design.

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.