Michael W. Roffo

SOFTWARE ENGINEER · EAGLE SCOUT · FULL STACK DEVELOPER

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"New Graduate. Node.js / Web stack experienced. SOLID principles. Dependable and Conscientious."

Experience

Rocket Software
Waltham, MA

SOFTWARE ENGINEERING INTERN
June 2019 - Aug. 2019

- Supported Rocket's project management team by designing and implementing *Panta*, a custom **Node.js**/Electron.js tool, which automates project maintenance between Jira and GitHub.
- Delivered robust features according to user-specified acceptance criteria in rapid test-driven development cycles. Cooperated with end-users and technical mentors in **Agile** workflow. Project management with **Jira**. Source control with **Git**. Unit, functional, e2e testing. Mocha/Chai. Automated QA with PyTest, Selenium.
- Delivered technical progress-reports before executives and colleagues, proving aptitude for **presentation** and speech. Daily standup, weekly code review, refactoring towards maintainable code.

Massachusetts General Hospital for Children
Boston, MA

WEB DEVELOPMENT INTERN
June. 2018 - Dec. 2018

- Batch-repaired recurrent HTML bugs such as broken links, missing tags, faulty nesting on patient-education pages using text-processing scripts.
- Translated page designs from both doctors and PR departments into maintainable HTML/CSS. Content management with TeamSite and SiteImprove.

Education

University of Massachusetts, Amherst
Amherst, MA

B.S. COMPUTATIONAL MATHEMATICS. DOUBLE-MINOR COMPUTER SCIENCE, ENGLISH LITERATURE. 3.24 GPA
Jan. 2018 - May 2020

- A computing-intensive mathematics education, complimented by presentation and writing skills honed in the English department.
- Data Structures; Algorithms, Big-O; Operating Systems & Architecture; Machine Learning/AI; Intro CyberSec; Statistics; Linear Algebra.

Middlesex Community College
Bedford, MA

A.S. COMPUTER SCIENCE TRANSFER. 4.0 GPA
June 2017 - Dec. 2017

- Thorough introduction to CompSci at teaching-oriented college. Object-Oriented Programming, Operating Systems, Cybersecurity.

Skills

Programming	JavaScript, TypeScript, Python, Java, Bash, LaTeX
Web	Angular, React, Express.js, AWS, Mocha, .NET Core/Azure, Electron.js, Flask w/Python, HTML5/CSS
Workflow Literacy	Git, Jira, Agile, TTD/BDD, continuous integration, OOP, design patterns. Top-notch writing, speech, presentation.

Extracurricular/Hobby

Natural Language Processing for Author Profiling (Independent Study)
Amherst, MA

AUTHORSHIP ATTRIBUTION RESEARCHER
Fall 2019

- Assembled corpus (dataset) of literary works by Robert Frost and Rapi Kaur.
- Surveyed existing research in statistical learning techniques for authorship prediction.
- Leveraged Naive Bayes Classifiers to reveal best features for predicting poetic authorship.
- Presented results: that the absence of masculine pronouns most distinguishes Kaur's works from those of Frost.

HackUMass 2018 Intercollegiate Hackathon
Amherst, MA

SCRUM MASTER/FULL STACK DEVELOPER
Spring 2018

- Spearheaded the UMass Cybersecurity Club as scrum master and full stack developer in a **prize winning** hack called *ZooKeeper*.
- ZooKeeper conducts MitM and DOS exploits on the UMass RFID authentication.
- Negotiated conflicts.
- Matched team members' skillsets to open tickets. Reviewed pull requests.