

VERA GUTTENBERGER

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EDUCATION

• TUFTS UNIVERSITY | MEDFORD, MA

BACHELOR OF SCIENCE IN COMPUTER SCIENCE AND COGNITIVE AND BRAIN SCIENCES, MINOR IN ECONOMICS

DECEMBER 2018 | GPA: 3.46

EXPERIENCE

• CHARLES RIVER ANALYTICS | CAMBRIDGE, MA

SOFTWARE ENGINEERING INTERN | HE DIVISION | SUMMER 2018

- Worked on a project contracted by DARPA, helping create a GUI for Systems of Systems architecture to aide integration of missions systems
- Built and extended the application by working with React, Node.js, Redux, BlueprintJS, Material-UI
- Aided the design process by creating and demonstrating prototypes and demos using AdobeXD and UXPin, presented to engineers, design lead, project manager, and external partners

• CLOUD TECHNOLOGY PARTNERS | BOSTON, MA

SOFTWARE ENGINEERING INTERN | SUMMER 2017

- Created a web application using React and Node.js that displayed IoT device data in useful maps and dashboards also utilizing Intel Edison, AWS IoT and RDS
- Worked with an external customer for the above application, discussing their needs, gaining design feedback, and presenting a proof of concept
- Wrote code rules for an internal tool: a Java plugin for SonarQube, an open-source software that analyzes code of an application and detects issues

• ENERNOC | BOSTON, MA

ADVANCED TECH SOFTWARE ENGINEERING INTERN | SUMMER 2016

- Designed and created a web application to visualize energy data, using AngularJS, Node.js, D3.js and Sails.js frameworks
- Performed and documented manual tests

• TUFTS UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE

TEACHING ASSISTANT FOR PROGRAMMING LANGUAGES, INTRODUCTION TO COMPUTER SCIENCE AND DISCRETE MATHEMATICS | WINTER 2017 - PRESENT

- Help and teach students during office hours and run a lab or recitation weekly
- Grade student exams, homework and labs and provide feedback
- Work closely with the professor and other staff on shaping the course for the students.

• TUFTS UNIVERSITY RESIDENTIAL LIFE AND LEARNING

RESIDENT ASSISTANT | FALL 2016 - SPRING 2018

RELEVANT COURSEWORK

WEB DEVELOPMENT

HUMAN-COMPUTER INTERACTION

MACHINE STRUCTURE AND ASSEMBLY

DISCRETE MATHEMATICS

ALGORITHMS

PROGRAMMING LANGUAGES

CYBERSECURITY

COMPUTATIONAL MODELS IN

COGNITIVE SCIENCE

LINGUISTICS

PSYCHOLOGY OF LANGUAGE

BEHAVIORAL STATISTICS

LANGUAGES

JAVASCRIPT

HTML/CSS

C++

C

JAVA

PYTHON

UNIX/LINUX SCRIPTING

FRAMEWORKS

REACT

NODE

ANGULAR

BOOTSTRAP

MATERIAL UI

TOOLS

ADOBE XD

UXPIN

GIT

AWS - EC2, S3

DOCKER

ATLASSIAN SUITE

CERTIFICATIONS

AWS CERTIFIED DEVELOPER: ASSOCIATE

ACTIVITIES

TUFTS JUMBO CODE

Developing customized technology for non-profits in the area.

TUFTS DATA JOURNAL : ENIGMA

Research, design and code data visualizations and write articles