

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

- Built and extended a desktop application for Systems of Systems architecture that aids the integration of missions systems, working with React, Node.js, Redux, BlueprintJS and Material-UI
- Designed components and features by creating and demonstrating prototypes using Axure, 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, utilizing Intel Edison, AWS IoT and RDS
- Initially ideated and created wireframes and prototypes for the application and collaborated closely with the lead UX Designer to develop a design flow
- Worked with an external customer for the application, discussing their needs, gaining design feedback, presenting a proof of concept and redesigning

• ENERNOC | BOSTON, MA

ADVANCED TECH SOFTWARE ENGINEERING INTERN | SUMMER 2016

- Designed and developed a web application visualizing energy data, using AngularJS, Node.js, D3.js and Sails.js frameworks
- Performed usability tests on an internal tool and used findings to implement redesign of specific features

• TUFTS UNIVERSITY DEPARTMENT OF COMPUTER SCIENCE

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

- Collaborate with the professor and graduate assistant to redesign and implement the Programming Languages class grading platform; this includes prototyping, HTML/CSS edits, and gaining and utilizing user feedback
- Conduct weekly office hours, mentoring and directing students on homework assignments and course material
- Responsible for grading student homework and exams and providing feedback on a weekly basis

RELEVANT COURSEWORK

WEB DEVELOPMENT
HUMAN-COMPUTER INTERACTION
ALGORITHMS
PROGRAMMING LANGUAGES
EXPERIMENTAL PSYCHOLOGY
COMPUTATIONAL MODELS IN
COGNITIVE SCIENCE
LINGUISTICS
PSYCHOLOGY OF LANGUAGE
BEHAVIORAL STATISTICS

LANGUAGES

JAVASCRIPT
HTML/CSS
PYTHON
C++

UX METHODS

WIREFRAMING & PROTOTYPING
USABILITY TESTING
SURVEY WRITING
INTERACTION DESIGN
HEURISTIC EVALUATION
TASK ANALYSIS

FRAMEWORKS

REACT
NODE
ANGULAR
BOOTSTRAP
MATERIAL UI

TOOLS

ADOBE XD
UXPIN
SKETCH
GIT
ATLASSIAN SUITE

ACTIVITIES

TUFTS JUMBO CODE
Designing and developing customized technology for non-profits in the area.
TUFTS DATA JOURNAL : ENIGMA
Research, design and code data visualizations and write articles