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

C++
C
JAVA
PYTHON
JAVASCRIPT
HTML/CSS
UNIX/LINUX SCRIPTING

FRAMEWORKS

REACT
NODE
ANGULAR
BOOTSTRAP
MATERIAL UI

TOOLS

GIT
AWS - EC2, S3
DOCKER
ATLASSIAN SUITE
ADOBE XD
UXPIN

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