

Edward Bottom

Full Stack Developer

EDUCATION

WASHINGTON UNIVERSITY IN ST. LOUIS

BS IN COMPUTER SCIENCE

Second Major in the Philosophy,
Neuroscience and Psychology
Program

Expected Graduation May 2020

SKILLS

LANGUAGES

Java • JavaScript • Python • PHP
C++ • Arduino C

WEB

HTML/CSS • ReactJS • Flask
Node.js • Socket.io • LAMP Stack
MySQL • MongoDB • AWS (EC2)
Apache • Git • Bash • Linux/Unix

CONTACT

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St. Louis, MO, 63122

COURSEWORK

Data Structures and Algorithms

Rapid Prototyping and Creative
Programming

Object Oriented Design with C++

Internet of Things

Logic and Discrete Mathematics

Matrix Algebra

Psychological Statistics

Philosophy of Mind

Social Psychology

Interdisciplinary Cognitive Science

Linguistics

EXTRACURRICULAR

Eagle Scout

Member of Wash U CS Advisory Board

Director of St. Louis JuggleFest

EXPERIENCE

CENTURYLINK | PRODUCT DEVELOPMENT INTERN

Summer 2018 | Monroe, LA

- Completely redesigned a user interface using ReactJS for the Work Self Service Software that can dynamically render different screens for over 100,000 different users
- Collaborated with various teams to integrate the dynamic user interface with a FOSS server and Java back-end to render around the contents of a MySQL database through REST APIs
- Wrote extensive documentation and curriculum for ReactJS and taught senior software engineers to use ReactJS

WASHINGTON UNIVERSITY | RESEARCHER

August 2018 – Present | St. Louis, MO

- Automated the scraping of over 1000 Think Tank's financial history from the Foundation Center Database using python
- Scraped account data, twitter history, and activity of the Think Tanks using python docker files on AWS Batch and stored the data using AWS S3

WASHINGTON UNIVERSITY | TEACHING ASSISTANT

August 2017 – Present | St. Louis, MO

- Guides students through labs and assignments in Object Oriented Design with C++ and Internet of Things
- Holds weekly office hours and administers and evaluates assignments and exams

ID TECH | INSTRUCTOR

Summer 2017 | St. Louis, MO

- Taught various technical and STEM skills including 3D printing with AutoDesk Maya and Print Studio, level design in Minecraft, VEX Robotics, and Lego Mindstorms
- Worked with campers ages seven to seventeen to debug code and fix problems in projects

PERSONAL PROJECTS

FIND MY CHILD APP | JAVASCRIPT, NODE.JS, MONGODB, PHONEGAP

- Hybrid mobile app that allows parents to track the location of their children on a dynamically updating map
- Allows parents to send their children messages using Socket.io and manage multiple children from one account

WHISKEY IN THE FLASK | FLASK, JAVASCRIPT, MONGODB, D3

- A blog and whiskey database with over 250 whiskeys that allows users to rate, review, sort, and add whiskeys to the website
- Features visualization of whiskey data, a whiskey of the day, and a self-sorting table of every whiskey

PSYCHOLOGICAL SUPPORT SYSTEM | JAVA, JAVA FX, TWILIO API

- A software designed for psychiatrists to send custom SMS based surveys through a JavaFX interface to check on and track the general mental health of patients
- Will alert the psychiatrist if there are sudden changes in a patient's mental health based on the responses to their surveys