

Kingsley Bowen

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Education

Tufts University

Bachelor of Science in Computer Science

GPA: 3.36

Honors: Deans List: Fall 2016, Fall 2017, Spring 2018

Medford, MA

May 2019

Skills, APIs, and Interests

Skills: Intermediate: Java 8, C, C++, Python 3, Git, ability to learn new programming languages

Proficient: Javascript, Node.js, HTML, CSS, Mandarin Chinese, public speaking

APIs, Frameworks, Libraries: Hyperledger Fabric, Springboot, JWT, Keycloak, Rabbitmq, Flyway, Swagger, Mockito, AssertJ, Junit 5, JasperReports, Orika, Twilio API, Google Maps API, Scapy, AWS Lambda, MySQLWorkbench

Experience

Associate Software Engineer

Cleveland, OH

Ownum

November 2019-April 2020

- Designed, implemented, and tested business services, chaincodes (smart contracts), and a database management tool for an enterprise car titling solution.
- Implemented models, data transfer objects, and mappers, used in a Java API service.
- Improved code quality using SonarQube and SonarLint.

Brain-Computer Interaction Research Assistant

Medford, MA

Tufts University Human-Computer Interaction Lab

May 2018-September 2018

- Translated a data filter from an existing java project to python 2.7 that cleaned multidimensional data and improved the accuracy of a machine learning algorithm over time.
- The data came from a wearable device called a functional near-infrared spectroscopy (fNIRS) machine, which collected data from the brain.

Web Platform Ops/Information Technology Intern

Cleveland, OH

Dealer Tire

May 2017-August 2017

- Developed an Amazon Alexa skill prototype that sent a catered collection of car tires to a user through email address or SMS text message.
- Presented the project to the CEO, partners, and upper IT management of Dealer Tire, a multibillion dollar tire distribution company.

Projects

Universal Machine Emulator (C):

- Designed, implemented, and optimized a 14 instruction Universal Machine emulator.

Image Compressor/Decompressor (C):

- Designed and implemented a digital image compressor and decompressor using bit manipulation.

Network Packet Sniffer (Python):

- Implemented a network analyzer that scanned for malicious attacks (covers NULL, FIN, XMAS Scans, unencrypted username and passwords sent over the network, nikto scan, and shellshock vulnerability).

Leadership

Tufts University

Medford, MA

Captain Men's Swimming and Diving Team

April 2018-April 2019

- Captain of 10th ranked team in DIII NCAA, ~20 hour/week commitment
- Voted to captainship by 40+ peers.
- Received the most NCAA All-American Awards in Tufts University swimming history (20)
- 2019 New England Small College Athletic Conference Swimmer of the Year

Boy Scouts of America

Cleveland, OH

Eagle Scout

September 2007-Present

- Directed 20 volunteers throughout 161 total hours of designing, fund raising, and constructing a forest staircase to school's fish hatchery.

Additional Experience

- Python programming tutor (Spring 2019)
- Brazilian Jiu-Jitsu practitioner
- Lead guitar player of the Kinder Bueno Band (Spring 2019)
- Tufts University Ethics Bowl Debate finalist (Spring 2015)

Websites

- Personal Page: Kingsleydb.github.io
- LinkedIn: <https://www.linkedin.com/in/kingsleybowen/>
- Github: <https://github.com/Kingsleydb>