Kingsley Bowen

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Education

Tufts University   **Medford, MA**
Bachelor of Science in Computer Science   May 2019
   GPA: *3.36*

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

Skills, APIs, and Interests

Skills: Intermediate: Java 8, C, C++, Python 3, Git, ability to learn new programming languages
      Proficient: Mandarin Chinese, Solidity, Javascript, Node.js, HTML, CSS, 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, SQL, JDBC

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 a pre-production Hyperledger Fabric enterprise car titling solution.
- Implemented models, data transfer objects, and mappers, used in a Java API service.
- Improved code quality using SonarQube and SonarLint by reducing code smells and bugs.

Brain-Computer Interaction Research Assistant   **Medford, MA**
Tufts University Human-Computer Interaction Lab   May 2018-September 2018
- Conducted research using the data collected from a wearable device called a functional near-infrared spectroscopy (fNIRS) machine. fNIRS machine monitored brain activity.
- 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.

Web Platform Ops/Information Technology Intern   **Cleveland, OH**
Dealer Tire   May 2017-August 2017
- Appointed team lead of interns that developed an Amazon Alexa skill prototype. The skill prototype 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.

Raffle (Solidity):
- Implemented raffle smart contract deployable on the Rinkeby Ethereum Network.

Network Packet Sniffer (Python):
- Implemented a network analyzer that scanned for malicious network 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 for seven months
- 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)

Websites

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