Anna De Biasi

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anna-debiasi
annadebiasi

EXPERIENCE

FACEBOOK Incoming Software Engineering Intern   Menlo Park, CA | Summer 2020

Technology Services Group Software Engineering Intern   Chicago, IL | Summer 2019

- Developed library utilizing jQuery to create responsive web app for accessibility across devices on the search engine
- Designed script and database to migrate ~20TB using Microsoft T-SQL Server & compiled queries for documentation
- Corresponded with corporate client to relay feedback, analyze data and resolve stack traces of failed migrations

Ford Motor Company Software Engineering Intern   Palo Alto, CA | Summer 2018

- Integrated the Ford Smart Device Link libraries to emulate the SYNC3 Emulator software using a microprocessor
- Created bash executables delivering a replacement product as an alternative testing environment cutting ~90% costs
- Applied Swift's Cocoa Touch Frameworks promoting the assimilation of developers' applications with SYNC

  Hackathon Participant, Third Place
- Designed iOS application to poll data from Raspberry Pi connections throughout vehicle's architecture
- Utilized Swift's Core Location Framework to lock/unlock car and record vehicle's radio preference based via proximity

SKILLS

Languages: Python, C++, Java, JavaScript, HTML/CSS, Swift, PHP, SQL

EDUCATION

Michigan State University   East Lansing, MI | Expected December 2020
Bachelor of Science in Computer Engineering   GPA: 3.84/4.00

Algorithms and Data Structures (CSE 331) Teaching Assistant
- Developed project solutions, specifications and test cases about Hybrid Sorting algorithms and AVL Trees
- Created challenging application problems that tested topic's implementation bounded by time and space complexities

Introduction to Programming in Python (CSE 231) Teaching Assistant
- Designed project material that is distributed course wide applying concepts of dictionaries, permutation and combination
- Lead exam reviews open to ~700 students, conducts weekly labs, tutors as well as monitors Q & A forum online

Spartan Blockchain Solutions Senior Developer
- Managed inputted blockchain contracts and migrations with Truffle under Dr. Carla Reyes to store financial filing statements
- Created an open source blockchain Truffle box paired with Ganache as a learning tool for blockchain development

Undergraduate Research Assistant Java Developer
- Supported MSU's partnership with General Motors to create an application in Java centered on deterministic requirements
- Assisted development by analyzing and implementing Graph Theory algorithms to generate test cases and robust reports

Engineering Student Council Board Vice President of Membership & Undergraduate Studies Committee
- Operated as a liaison for engineering organizations, community and faculty as well as hosted social and academic events

Women in Engineering Mentor
- Mentored incoming women studying engineering providing a conducive environment for academic growth

HONORS AND AWARDS

W. R. Brown Engineering Scholarship Recipient, 2019 | Michigan State's Dean's List 2016 – Present | Patrick Moran Endowed Memorial Scholarship, 2019 | Consumers Energy Scholarship Recipient, 2019, 2020 | Ford EEOC Endowment Scholarship Recipient, 2017 & 2018 | Goodyear STEM Scholarship Recipient, 2017 | American Chemical Society Scholarship Recipient, 2016