Anna De Biasi

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anna-debiasi
annadebiasi

EXPERIENCE

FACEBOOK Software Engineering Intern   Menlo Park, CA | Summer 2020

- Worked on video infrastructure developing a dynamic loader in C++ for OIL, a distributed cache storage policy language
- Modularized and linked storage nodes on runtime allowing the ability to reduce the library's binary size by a third
- Created a hybrid package selection method by a weighted random algorithm to enhance version deployment and fixes

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

- Developed frontend library utilizing jQuery to create responsive web app for an accessible search engine across devices
- 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 SDL simulating the SYNC3 Emulator software using a microprocessor cutting costs by ~90%
- Developed executables to construct an optimal product for developers testing applications with Ford SYNC
- Hackathon, 3rd; Designed iOS app to lock/unlock car and save vehicle preferences utilizing Swift's Location Framework

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) Lead Teaching Assistant
  - Devised project solutions, specs and test cases for Doubly Linked Lists, Recursion, Hybrid Sorting, AVL Trees, & Tries
  - Inspired and introduced coding challenges to curriculum encouraging efficient divergent programming practices
  - Assisted in the creation and grading of quizzes and exams as well as answering questions for 250+ students

Spartan Blockchain Solutions Senior Developer
  - Supported development of the Spartan Blockchain Truffle Box which is an open source tool to learn blockchain
  - Managed inputted blockchain contracts and migrations with Truffle to store financial filing statements

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

Undergraduate Research Assistant Java Developer for Graph Theory Application & Analysis
Engineering Student Council Board Vice President of Membership, Undergraduate Studies Committee
Women in Engineering Mentor, **Women in Computing** Member

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 Summer Hackathon; Third Place, 2018 | Ford EEOC Endowment Scholarship Recipient, 2017 & 2018 | Goodyear STEM Scholarship Recipient, 2017 | American Chemical Society Scholarship Recipient, 2016