ANNE GEORGE

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Coursework

Web Design, Development, and Accessibility*

User Interface Development*

Web Systems

Computer Security

Data Structures and Algorithms

Computer Organization

Foundations of Computer Science

Linear Algebra

Organizations

Kappa Theta Pi - Professional Technology Fraternity

BLUELab Sa'Nima Collaborative

MProduct Product Management Club

Skills

TECHNICAL SKILLS

C++
C
Python
Java
Git
Objective-C
JavaScript
Next.js
React
HTML/CSS
Flask
SQL

PROFESSIONAL SKILLS

Leadership
Presentation
Teamwork
Agile

Education

University of Michigan, Ann Arbor — Sept. 2019 to Apr. 2023
Bachelor of Science in Engineering Computer Science 2023
Minor in User Experience
GPA: 3.61
Instructional Aide: EECS 497 Human-Centered Software Design and Development (Fall 2022)

Experience

Microsoft — Redmond, WA
Data Protection Software Engineering Intern — May 2022 to Aug. 2022

- Applied existing APIs to Clipboard History codebase to protect encrypted data via Windows Hello
- Developed a project roadmap and developer specification for adding Personal Data Encryption to Clipboard History
- Designed manual test cases that led to the discovery of unexpected UI behavior caused by an existing in-memory cache

Apple — Cupertino, CA (Remote)
Cellular Product Software Engineering Intern — May 2021 to Aug. 2021

- Reduced developer debugging time by writing Python scripts and creating interpretive plots with Matplotlib for Thread anomaly detection
- Developed 40+ unit tests in Objective-C for iOS and tvOS products to validate public developer APIs for *ThreadNetworkFramework* Library
- Discovered a crash tracer bug, allowing team to reduce crashes per day to 0

Ford Motor Company — Dearborn, MI (Remote)
Manufacturing IIOT Software Development Intern — June 2020 to July 2020

- Developed a Java Spring Boot application using a MongoDB database to optimize plant operation runtimes by matching employee data to unmanned machines through *Optimal Staffing* project
- Implemented Spring Boot design patterns and produced high quality code through test driven development
- Competed in Intern Innovation challenge with solution that crowdsourced driving hazard data to improve autonomous vehicle user experience; received 'Most Viable' award and selected as 1 of 5 finalists to present to Ford executives

Real Time Water System Lab — Ann Arbor, MI
Undergraduate Research Assistant — Sept. 2019 to Apr. 2020

- Created a low-cost water sensor module to provide efficient water management
- Researched and identified alternative pressure transducer that reduced module cost by 95%, allowing for large scale deployment
- Prototyped design with Particle Photon, gaining experience in hardware programming in C
- Integrated new design with existing water sensor nodes and tested durability for field usage

Projects

MProduct - PrimNotes Software Engineer — Jan. 2021 to Apr. 2021

- Designed features for an application that streamlines the notetaking process for product managers and founders
- Engineered prototype with mock features using Next.js and JavaScript for small user test groups
- Conducted user interviews to identify market demand and key product features for a customer discovery tool

Apple Engineering Technology Camp — July 2018 to Aug. 2018

- 1 of 24 students selected from around the world for an immersive program
- Developed skills in C++, iOS Swift, and microprocessors while working in small groups to find solutions to an engineering project
- Presented solutions to Apple leadership

FIRST Robotics Competition — Aug. 2011 to May 2019

- Led Outreach group in engaging with community and starting initiatives to spread awareness of the program, individually creating 5 teams and dedicating 200+ hours mentoring.
- Coordinated team of 120+ students throughout the season as a member of Steering Committee, playing a key role in team decision making.
- Envisioned, organized, and executed a STEM camp run by female team members exclusively for middle school girls to encourage women in STEM, resulting in a 50% retention rate of participants.