Tobi Ola

Purdue University · August 2017 - May 2020 · B.S. Computer Science · Trustee's Scholar · GPA: 3.8

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Experience

Microsoft // Azure Identity
Redmond, WA

Software Engineer II
July 2020 - Present

- Developed the architecture and code for the frontend for a security configuration service using React, Typescript and Azure.
- Fixed over +250 accessibility bugs creating an accessible product for all by leveraging Accessibility Insights and WCAG guidelines.
- Implement the use of a backup Service Bus increasing the reliability of connection between two services by two 9s using C#.

Microsoft // Xbox Live
Redmond, WA

Explore Intern
May 2019 - August 2019

- Worked as a Software Engineer and Program Manager adding features to the Xbox Gamebar in Windows using XAML and C++/CX.
- Designed and Built the @Mentions Feature in GameBar which included suggesting, sending and receiving @Mentions.
- Designed and Implemented Enlarged Image Viewing and high performant GIF rendering.

Purdue University // Department of Computer Science
West Lafayette, IN

Undergraduate Teaching Assistant - Programming in C
January 2019 - May 2019

- Hosted weekly lab sessions teaching and helping students create and debug programs in C.
- Graded +150 students' code weekly ensuring adherence to the class Code Standards.
- Course topics included Memory Management, File I/O, Pointers and Basic Data Structures.

Purdue University // IEEE
West Lafayette, IN

Undergraduate Teaching Assistant - Software Saturdays
August 2018 - May 2019

- Taught students foundations of software development and hosted a project-based learning experience.
- (Spring 2019) Hosted weekly android development sessions introducing Firebase, networking, and basic application building.
- (Fall 2018) Hosted bi-weekly full stack development sessions introducing SQLite, NodeJS, and HTML/CSS.

Practical Health Technology Solutions
St. Louis, MO

Software Engineering Intern
May 2017 - August 2018

- Redesigned the UI and added mobile compatibility to the Patient Care Management Portal using Bootstrap
- Improved login authentication security by implementing Salted Password Hashing using C# and SQL
- Used SQL Server Management Studio to create and modify SQL scripts and database structures.

Projects

OnQueue // CS 39000 - `https://github.com/purdueapp/onQueue`
Utilized the Spotify Web API to create a Web app using ReactJS that allows users to create rooms where other users can join in and collectively contribute to a shared music queue and music playback from their own device.

Purdue Wash // CS 49000 - `https://github.com/purdueapp/PurdueWash`
Created an iOS application to request and display data using Swift and XCode.
Wrote a server in Go providing data of Purdue Laundry machines using a web scrapper retrieving live info from Purdue's ITaP website.

FoodCycle // Hackathon Project - `http://github.com/MoldingTofu/FoodCycle`
Created an iOS app, server, and Alexa skill allowing users to take pictures of food, automatically log nutritional info, store data in the cloud and have Alexa provide additional insight when verbally prompted.

Skills

Programming	Typescript · JavaScript · C# · SQL · C++/C · Java · Go · Swift · Python · Bash
Libraries	Node.js · Express · ReactJS · SQL Server · ASP.NET · D3 · jQuery · Fiddler
Markup	HTML · CSS · XAML · LaTeX