Tobi Ola

911 Bellerive Manor Drive, Creve Coeur MO 63141

(+1) 314-800-5827 | oluwatobi.ola@gmail.com | tobiola.github.io | tobiola | tobiola

Education

Purdue University | Trustee's Scholar   *West Lafayette, IN*

BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE   *Aug 2017 - May 2020*

- GPA: 3.67/4.00
- Relevant Courses: Operating Systems, Software Engineering, iOS Development in Swift, Web App Development Programming

Experience

Microsoft   *Redmond, WA*

EXPLORE INTERN - XBOX LIVE   *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.
- Used Fiddler to analyze and debug network requests sent from the client side.

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

CS 49000 IOS, Final Project - `http://github.com/purdueapp`

Wrote a server in Go providing data of Purdue Laundry machines using a web scrapper to retrieve live info from Purdue's ITaP website. Created an iOS application to request and display data using Swift and XCode.

FoodCycle - `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.

Stat 350 Honors Presentation - `http://github.com/tobiola/stat350-honors-presentation`

Used java to generate data of runtime speeds for different methods of synchronization. Analyzed data and created graphs using R.

Skills

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