

# Tobi Ola

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## Education

### Purdue University | Honors College

BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE HONORS

West Lafayette, IN

Aug 2017 - May 2021

- GPA: 3.79/4.00
- Relevant Courses: iOS Development in Swift, Web App Development, Data Structures and Algorithms, Competitive Programming

## Experience

### Microsoft

Redmond, WA

EXPLORE INTERN - XBOX LIVE TEAM

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 GIF rendering despite strict performance constraints.
- Used Fiddler to analyze and debug network requests sent from the client side.

### 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 Visual Studio and Team Foundation Server (TFS) for source code management.
- Used SQL Server Management Studio to create and modify SQL scripts and database structures.

### 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

- Facilitated bi-weekly sessions teaching Full Stack Web Development Fall 2018.
- Prepared sample Node.js, Sqlite3, and JavaScript code for teaching sessions.
- Facilitated weekly sessions teaching Android Development Spring 2019.

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