

# Tobi Ola

PURDUE UNIVERSITY · MAY 2021 · B.S. COMPUTER SCIENCE HONORS · GPA: 3.82

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## About Me

**Languages** Go · Java · Swift · C · C++ · C# · JavaScript · Typescript · Python · SQL

**Tools** NodeJS · React · SocketIO · Firebase · ASP.NET · D3.js · MVVM

## Experience

### Microsoft

Redmond, WA

EXPLORE INTERN

May 2019 - Present

- Software Engineer and Program Manager Intern on the GameBar Team in Xbox Live.
- Added new features reaching over 300M users using C++/CX and XAML.

### Practical Health Technology Solutions

St. Louis, MO

SOFTWARE DEVELOPER 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. Also used SQL Server Management Studio to create and modify SQL scripts and database structures.

### Software Saturdays

West Lafayette, IN

TEACHING ASSISTANT

August 2018 - May 2019

- Hosted bi-weekly sessions teaching Full Stack Web Development Fall 2018.
- Currently hosting weekly sessions teaching Android Development Spring 2019

### CS 24000, Programming in C

West Lafayette, IN

TEACHING ASSISTANT

January 2019 - May 2019

- Hosted lab sessions helping students debug C programs.
- Graded +150 students' code weekly ensuring adherence to the class Code Standards.

### MIT MOSTEC Program

Cambridge, MA

RESIDENTIAL ADVISOR

August 2018 - August 2018

- Mentored and Supervised High School seniors and assisted with the Machine Learning project course.
- Lead students and organized events including the final project symposium and the STEM workshops.

### Purdue IEEE ROV

West Lafayette, IN

SURFACE PROJECT GROUP LEAD

August 2017 - May 2019

- Produced stable ROV movement by implementing PID control algorithms to regulate the thrusters.
- Created a GUI to graph live sensor data and change PID value constants in real time using tkinter.

## Projects

### CS 49000 IOS - Final Project

Purdue University

[HTTP://GITHUB.COM/PURDUEAPP](http://github.com/purdueapp)

April 2019

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

### FoodCycle

PickHacks - Missouri ST

[HTTP://GITHUB.COM/MOLDINGTOFU/FOODCYCLE](http://github.com/moldingtofu/foodcycle)

March 2019

- Created 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

Purdue University

[HTTP://GITHUB.COM/TOBIOLA/STAT350-HONORS-PRESENTATION](http://github.com/tobiola/stat350-honors-presentation)

May 2018

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