

# Frank Hu

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## PROJECTS

### Azure ARM Template LAMPP/WordPress/Memcached

May 2018 – Present

- Built Azure ARM Deployment that Automatically Installs LAMPP and All Required PHP Modules for WordPress and Memcached Through a Shell Script for Rapid Custom Website Deployments

### Television Network Emulator

May 2018 – December 2018

- Built out JavaFX Application that Autoplays Videos from a Folder at 30 Minute Intervals at Weekly Intervals

### JavaFX MIPS Emulator (Senior Project) - Athens, Georgia

May 2015 – December 2015

- Modularized Processor Architecture for MIPS in JavaFX with Object Orientated Design
- Prototyped User Interface in Collaborative Design Setting with Competitor Analysis Using AxureRP Prototyping Software

## PROFESSIONAL EXPERIENCE

### Microsoft - Bellevue, WA

#### Azure Service Engineer II

May 2019 – Present

- Built, Fixed, and Updated Public Azure Boilerplate Sample Code for Customers
- Provided Guidance and Code Samples to the Azure Community On How to Implement OAuth2 Flows Into Their Environments
- Worked Closely with Product Teams to Report and Find Bugs with Microsoft APIs
- Developed Chrome Extensions to Automate Repetitive Work Using Data Scraping

### Microsoft - Dallas/Fort Worth Area

#### Azure Developer Support Engineer

June 2016 – May 2019

- Developed Chrome Extension to Automate Administrative Tasks
- Wrote Technical Articles on Utilizing Azure APIs and Performing OAuth2 Authentication with Azure for Internal/External Software Engineers at an International Scale
- Subject Matter Expert on Authentication Protocols Across Organizations Within Microsoft

### Nuesoft - Greater Atlanta Area

#### Software Engineer I

December 2014 – June 2016

- Made Patches and Features for Java Swing Applications Using Eclipse IDE
- Integrated PHP/MySQL Based Question to Answer Forum into Work Environment Using LAMPP
- Implemented Design Specifications for Android Project Using Android SDK
- Wrote Software Architecture Documentation for Java Swing and Android Legacy Code

### Research Experience Undergraduate - Miami, Florida

#### Researcher

May 2015 – August 2015

- Created Android Application for Research Paper to be Submitted at Human Computer Interaction Conference Utilizing Facebook API and Temboo API
- Developed Data Scraping Regular Expressions to Automate Data Gathering Using JSoup and REST API
- Implemented JavaScript Injections to Manipulate Facebook User Interface
- Collaborated with Research Professors to Prototype User Interfaces Using AxureRP

## EDUCATION

### Georgia Tech Atlanta, Georgia

January 2019 - June 2021

*Masters of Science - Computer Science - Computing Systems*

**GPA 3.75**

### University Of Georgia Athens, Georgia

August 2013-December 2015

*Bachelor of Science - Computer Science - Cum Laude*

**GPA 3.69**

- Graduated From College Within Two Year Time Frame With Honors