

# Ze Yu

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147 N Craig St, Pittsburgh, PA

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## **Objective**

Seeking a challenging position utilizing Computer Science and Applied Statistics

## **Education**

University of Pittsburgh, Pittsburgh, PA

August 2017 – Present

Bachelor of Science

Expected April 2021

Major in Computer Science and minor in Applied Statistics (Data Science)

GPA: 3.2

Sophia University, Tokyo, Japan

June 2019

Study abroad program with concentration in East Asian Economy, History and Literature

## **Coursework**

- Algorithms
- Data Science
- Data Structure
- Software Quality Assurance
- Software Development Life Cycle
- Systems Software
- Web App Development
- Human Computer Interaction
- Machine Learning

## **Award**

- Best Use of Amazon Web Services, Major League Hacking Hackathon January 2018  
Reprogrammed Amazon Echo using JavaScript and Python to connect to hardware to better serve the elderly who are not familiar with talking to Alexa. Collect medical condition data of the senior, write it to a database and make it available to doctors

## **Skills**

- Programming languages: Java, Python, R, C, C++, C#, JavaScript, TypeScript, HTML, CSS, SQL
- Frameworks: Angular, React, Ionic, Flask, Django

## **Work Experience**

- Full Stack Web Developer Intern, InvolveMINT, Pittsburgh May 2020—August 2020  
Worked in a team to maintain the company's first iteration digital currency processing web application  
Worked with UI designers to implement functionality and design of the next iteration of the application  
Skills involved: TypeScript, HTML&CSS, PostgreSQL, Firebase, Angular, Ionic
- HR Systems Quality Assurance Intern, University of Pittsburgh, Pittsburgh September 2019—Present  
Troubleshoot and readjust university C# database applications converted from legacy codebase.  
Oversee the operation of information infrastructure at the Office of Human Resources.

## **Projects**

- [Web Programming] Recipe Lookup Web Application for individuals with allergy January 2020
  - A web application team project that follows Agile framework
  - Uses MongoDB, Express, React and Node.js
- [Statistical Programming] Stock Prediction and Portfolio Risk Minimization using R November 2019
  - Construct stock portfolio using both fundamental mathematical principles and established models
  - Follows principle of minimal correlation and Capital Asset Pricing Model