Ze Yu

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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 Engineering Methodology
- Systems Software
- Web Application Development
- Discrete Structure for CS
- 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 elderlies 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.
  Overlook the operation of information infrastructure at the Office of Human Resources.

Projects

- [Web Programming] Recipe Loo kup 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