Joey Jiemjitpolchai

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Education Stony Brook University

B.S. in Computer Science and Applied Mathematics, Honors

GPA: 3.55/4.0

Work Experience

Bloomberg L.P, Manhattan, New York

Software Engineer Intern

June 2019 – August 2019

Expected graduation May 2021

- Designed a Python distributed tracing reader service to trace lost messages in transaction pipelines
- Collaborated with database engineers to provision a database instance
- Integrated service and database through ORM SqlAlchemy which allows database to be easily swappable
- Implemented UI table pagination, message hierarchy view, and data visualization for life span of messages
- Optimized reader service and database schema to handle load of 100m~200m messages per day
- Designed and documented client APIs that are used to connect to the distributed tracing pipeline

Software Engineer Intern

June 2018 – August 2018

- Implemented Clang library to create a C++ linter that reduces compiler warnings caused by source files
- Manipulated nodes in an abstract syntax tree which allowed Clang to write changes to source files
- Deployed Bash scripts to automatically run linter when a pull request was made
- Refactored 647 lines of code and used by multiple teams throughout Bloomberg Engineering

Software Engineer Intern

July 2017 – August 2017

- Performed full stack development with Ruby on Rails to create two web forms
- Built UI and database functionality to each form
- Wrote metadata conversions to make forms backwards compatible with legacy code
- Used by 325,000 Bloomberg Law clients globally

Consolidated Edison, Manhattan, New York

June 2016 - July 2017

Engineering Aide

- Created and maintained functional data reports through Tableau
- Developed a system to track construction department's invoices and debts
- Presented key findings behind common construction violations

Extracurriculars

Professional Chair for Theta Tau

January 2019 – May 2019

- Coordinated large scale professional development events with various engineering clubs on campus
- Led a public speaking workshop that enabled students to practice presentation skills in a low risk environment

Teaching Assistant at Stony Brook University

January 2019 – May 2019

- Conducted lab and recitation sections for Introduction to Computer Science: Honors (CSE 160)
- Advise students on their progress throughout the course

Volunteer for Bloomberg Philanthropies

- Installed dry walls for disaster stricken housing with Habitat for Humanity
 July 2019
- Mentored 8 female middle school students to build a coupon book app for TYLS Tech Explorers Hackathon
- Collaborated with Meals On Wheels to pack meals for the elderly

July 2018

- Built bicycles from scratch in partnership with BikeNYC for over 300 NYC students
- July 2017
- Distributed bikes and helmets in addition to assisting with bike safety classes

Projects

Library Simulator

April 2017 – June 2017

- Multithreaded application that simulated people checking books out of a library
- Exercise knowledge in data structures and developing multithreaded programs
- Implemented various data structures to represent aspects in a library

Google Maps Drone Web Application

April 2016 – June 2016

- Web App that uses the Google Maps API to illustrate legal zones to fly drones
- Connected application to SQL database to query information about drones

Awards

Educators Award at CS4All Hackathon

June 2016

2nd place Science Olympiad Regional Competition

January 2017

Technical Skills

Proficient in Java, C, Python, JavaScript, HTML, and CSS