Alexander Francis Chin

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Education

State University of New York at Stony Brook, Stony Brook, NY Expected May 2019

Major: Computer Science, Minor: Business Management GPA: 3.26

Presidential Scholarship: Fall 2015-Present

CEAS Dean's List: Fall 2015, Spring 2016, Spring 2017

Skills

Proficient: Java, C

Familiar: Javascript/Jquery, Python (NumPy, Flask) R, SQL

Technologies: REST, HTTP, Git, MongoDB, HTML5/CSS3 (Bootstrap)

Project Experience

Tic-Tac-Toe February 2018
- Cloud Computing class assignment, implemented rest based tic-tac-toe game
- Utilized Flask, Javascript, Ajax, and JSON to handle HTTP requests between game endpoints
- Created user-creation system using MongoDB to track board state, game history, and current session

Shell November 2017
- Systems Architecture class assignment, implemented process handling, commands (ls, cd, pwd, exit), interprocess communication (pipes & redirection) and signal handling using C
- Implemented using C libraries and system calls

Dynamic Memory Allocator October 2017
- Systems Architecture class assignment, implemented functions to allocate, free, and reallocate memory using C
- Utilized segregated free list management, first fit memory allocation, and forward coalescing on freed memory

Hack@CEWIT: Food Beyond (Web Application) February 2017
- Collaborated with a team on a Web application that organized food items and found recipes corresponding to available ingredients from the Food2Fork API
- Developed using Rasberry-Pi, SimpleCV, and UPC-data base to scan ingredients
- Created a dynamic web page utilizing Python and Flask

Hack Health: Nutreation (Android Application) April 2016
- Received the Hack Health Most Learning Award for learning how to use Android Studio to make a mobile application
- Created a campus nutrition app that tracked calories for Stony Brook Campus Dining

Work Experience

Pure Bright Lighting - *Consultant* June 2017 — Jan 2018
- Aggregate research on lighting costs of government organizations and healthcare facilities
- Develop product pitches, financial flow charts and spreadsheets alongside the Chief Business Development Officer leading to several large sales

Stony Brook University - *Resident Assistant* Aug 2016 — May 2017
- Provided educational and social counseling for 40 undergraduate freshman and sophomores
- Enforced campus policies and ensure the safety of residents

Leadership

President, League of Legends at Stony Brook May 2016 — May 2017
- Planned semester large-scale tournaments that consisted of 100+ attendees
- Planned weekly club events that consistently totaled 20+ students