Felix Rieg-Baumhauer

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Education:

Stony Brook University—B.S. Computer Science, Applied Math August 2017- May 2021

- GPA: 3.97/4.00
- Member of Honors Computer Science Program, Honors College, Dean's List
- Studied abroad in Singapore, Paris and Rome
- Courses: Data Structures, Operating Systems, Algorithms, Compilers, Distributed/Network Computing, Databases, Data Science, Machine Learning

Nanyang Technological University, Singapore—Computer Science January 2020-May 2020

Stuyvesant High School September 2013-June 2017

Experience:

Schonfeld Strategic Advisors LLC—New York, NY (Intern) June 2020-August 2020

- Built event handling framework for high performance multi threaded communication
- Simplified future development by writing performance and unit tests for framework
- Eliminated thread collisions in OMS with use of event framework

Broadridge Financial Solutions Inc.—Deer Park, NY (Intern) June 2019-August 2019

- Added user facing notification system to site, integrated with SQL DB and REST API
- Reduced QA wait times by writing black box testing framework using node.js/Cypress

SB CS Dept—Stony Brook, NY (Teaching Assistant) August 2018-December 2019

- Led recitations and developed assignments for CSE 214 (Data Structures) students
- Evaluated and tracked student improvement and performance

Epistem Interactive, Inc.—New York, NY (Intern) June 2018-August 2018

- Built frontend and backend features while moving the site to mobile platform

Gust, Inc.—New York, NY (Intern) June 2017-August 2017

- Increased developer efficiency by writing internal AWS monitoring scripts

Skills:

- Languages: C++, C, Python, Java, C#, Q, Ruby, JavaScript, MIPS,
- Frameworks: Gazebo, ROS, OpenCV, C++ STL, KDB+, SQL, NoSQL, Linux, Git

Projects:

Honors Computer Science Thesis Fall 2020-Spring 2021

- Autonomous vehicle guidance using UAV gathered data in low latency environment
- Used Computer Vision, path finding, embedded/distributed computing with ROS

Distributed File System Spring 2019

- Built and tested low level Distributed Client-Server File System using C++ and UDP

Xv6 Operating System Fall 2019

- Added support for interprocess signals, alternate scheduling and other features in C

Premier League Web Scraper Summer 2019

- Built web scraper for historical EPL games, using python, selenium and sqlite

Extracurriculars:

- Soccer Club (President), Ski Club, Tennis Club, Big Sibs Mentoring Program