

United States,
In New York

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EDUCATION

Selden, NY **Suffolk County Community College** **Fall 2018 – June 2020**

- A.S. in Computer Science.

Stony Brook, NY **Stony Brook University** **Fall 2020 – Present**

- B.S. in Computer Science (Expected June 2022).
- GPA 3.7

Coursework:

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| • Functional Programming Abstractions | • Data Structures and Algorithms |
| • Advanced Object-Oriented Programming | • Analysis of Algorithms |
| • Computer Architecture and Organization | • Discrete Mathematics |
| | • Theory of Computation |

TECHNICAL EXPERIENCE

Projects

- **College Application System – CAS** (2019). Mobile application to facilitate college applications in the United States. A user can create an account/login in order to find the best college for them based on several different filters. Users can view a college's name, address, email, cost, SAT scores, and more. Android/Java/XML/Cloud Firestore/NoSQL.
- **Pong** (2020). Two-dimensional videogame inspired by the classic game *Pong*. Using the systems programming language Rust, a game window, paddle, and ball are drawn on the screen. The player must hit the ball with the paddle as it bounces around the screen to earn points; letting it pass the paddle results in a loss. Rust/OpenGL bindings.
- **SmiteBot** (2020). Application that interfaces with the Discord (a chat program) API to provide interactive options for the videogame *Smite* by Hi-Rez Studios. The program queries a MySQL database. Data can be updated on the fly and is retrieved through scraping websites. Python/HTML/MySQL. I also implemented this project using Rust.
- **College Management System** (2018). Desktop application to manage Suffolk County Community College. A user can search for textbooks, courses, classrooms, students, or faculty and then observe and change their different attributes. Includes classes a student has taken, is taking, and will take, and his/her GPA dynamically based on grades received in those classes. Java/JavaFX.

Languages and Technologies

- Proficient:
 - Java; Python; Lua; Rust
- Familiar:
 - OCaml; Assembly; HTML/CSS; SQL; C
- Novice
 - JavaScript; PHP; C++

Technologies:

Vim; Emacs; Visual Studio; Eclipse; IntelliJ IDEA; Android Studio; PyCharm; Roblox Studio

EMPLOYMENT

Code Coach **theCoderSchool** **January 2020 – August 2020**

- Taught coding to students aged 7 to 21.
- Introduced simple computer architecture concepts (binary, data structures, and more).
- First teacher at the company to use online learning during the pandemic.
- Worked as a team with other teachers for coding events.

ADDITIONAL EXPERIENCE AND AWARDS

- Dean's List (Fall 2018-Present) (Suffolk County Community College)
- Phi Theta Kappa Honor Society (Fall 2019-Present) (Suffolk County Community College/Stony Brook)
- AP Scholar with Distinction (2016-2018) (Bayport-Bluepoint High School)