**EDUCATION**

**Middlebury College** Middlebury, VT

*Candidate for Bachelor of Arts,*Computer Science and Mathematics, May 2020.

**GPA:** 3.71

**Activities**: Programming Club, Research & Investment in Sustainable Equity (RISE), Computer Science Tutor, Undergraduate Research Assistant.

**Relevant Coursework:** Data Structures, Math Foundations of Computing, Calculus II, Linear Algebra, Computer Architecture, Quantum Computing, Theory of Computation, Algorithms & Complexity, Systems Programming, Machine Learning.

**Joel Barlow High School** Redding, CT

*Diploma* *May 2016*

**GPA:** 4.1; Top 5% of graduating class.

**Honors:** Commended National Merit Scholar, RIT Innovation and Creativity Award, AP Scholar with Distinction.

**Activities**: Debate Team (varsity); Philosophy Club (founder); FIRST Robotics Team (programmer).

**Relevant Coursework:** Database Development, Honors C++, AP Computer Science, AP Statistics, AP Calculus.

**TECHNICAL SKILLS**

**Computer Programming:** Objective C, Swift, C++, Java, Python, Go, MatLab, and Octave.

**Website and Database Development:** SQL, MySQL, PHP, JavaScript, HTML, CSS, and Apache.

**Graphic Design:** Proficient with Adobe Photoshop, Illustrator, Dreamweaver, After Effects, and Flash.

**WORK EXPERIENCE**

**Middlebury College** Middlebury, VT

*Research Assistant**Summer 2018*

* Programmed several applications for drone-based computer vision crowd behavior analysis.
* Implemented computer vision techniques such as optical flow, face detection, and object tracking.
* Programmed autonomous drone flight modes with a live video stream in C++, Go, Python, and Java.

**DatePlay** Brooklyn, NY

*iOS Application Developer**June 2017−September 2017*

* Implemented new app features outlined from Sketch mockups in Swift.
* Worked closely with founders to brainstorm new app ideas.
* Merged code from developers working remotely into the master branch. Outlined development process.

**Easton-Redding Community Assets Task Force** Redding, CT

*Web Designer, Database Developer, Program Coordinator* ([www.scholarly.space](http://www.scholarly.space))*Spring 2016−Fall 2016*

* Updated the Region 9 Public School District Community Assets program by creating a database and portal for students and administrators to post assignments, view progress, and find assignment connections.
* Founded Scholarly Space, LLC and created the Scholarly Space website (an online interactive portfolio) as a solution for the redeveloped Community Assets program.

**Student Employment Software** Greenwich, CT

*iOS Application Developer**Summer 2015*

* Programmed an iOS App for Student Employment Software to match students from nearby CT high schools (Stamford, Greenwich, Scarsdale, and Rye) with jobs, internships, and community service opportunities.
* Interfaced with company's database & API to develop application.

**Penguintosh** Redding, CT

*MacOS Application Developer* ([www.penguintosh.com](http://www.penguintosh.com))*Calendar Year 2012*

* Independently developed a Java-based MacOS application that allows users to install Linux onto a USB drive.
* Served more than 100,000 downloads of the application.