

# Henry Mound

New York, NY

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## EDUCATION

### Middlebury College

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

Middlebury, VT

May 2020

**GPA:** 3.71

**Activities:** Computer Science Tutor (Data Structures, Math Foundations of Computing), Undergraduate Research Assistant, Programming Club, Research & Investment in Sustainable Equity (RISE).

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

### Joel Barlow High School

*Diploma*

Redding, CT

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

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

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

## WORK EXPERIENCE

### Middlebury College

*Research Assistant*

Middlebury, VT

Summer 2018

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

### DatePlay

*iOS Application Developer*

Brooklyn, NY

June 2017 – September 2017

- Implemented new app features outlined from Sketch mockups in Swift such as UI animations and profile screen.
- Worked closely with founders to brainstorm new app ideas.
- Merged code from developers working remotely into the master branch.
- Designed and programmed a new iOS app in Swift set to launch in 2019.

### Easton-Redding Community Assets Task Force

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

Redding, CT

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

*iOS Application Developer*

Greenwich, CT

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 SQL database & API to develop application.

### Penguintosh

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

Redding, CT

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.