Henry Mound

New York, NY
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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)   *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)   *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.