Henry Mound

New York, NY
(203) 448-0323   hmound@middlebury.edu
www.henrymound.com   www.linkedin.com/in/henrymound/

EDUCATION

Middlebury College   Middlebury, VT
Candidate for Bachelor of Arts, Computer Science and Mathematics.   *May 2020*
GPA: 3.74; College Scholar
Activities: Computer Science Tutor (Data Structures, Math Foundations of Computing), Undergraduate Research Assistant, Programming Club.
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   Redding, CT
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).

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   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 (Python), face detection (Go), 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 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   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 SQL 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.