Peter Munn

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EDUCATION

CORNELL UNIVERSITY
BA, Computer Science
3.43 GPA
Aug. 2018- May 2021 (expected)
Milstein Scholar

PHILLIPS ACADEMY ANDOVER
#1 prep school in US (niche.com)
Sept. 2014- June 2018
Cum Laude (June 2018)

SKILLS

PROGRAMMING
Python (Proficient)
Java (Proficient)
C (Experienced)
ARM Assembly (Experienced)
Swift (Learning)

SOFTWARE
Jupyter Notebook • Pytorch • Mathematica • Logger Pro • Eclipse • Excel • 360fly Director• Overleaf • iMovie

LANGUAGES
Native or bilingual proficiency
Spanish• Portuguese • German
Elementary proficiency
Mandarin (3 years of study)

HONORS & AWARDS

MILSTEIN PROGRAM
Cornell- May 2019
One of 25 students in inaugural class of Milstein Program in Humanity and Technology

COMMUNITY ENGAGEMENT LEADERSHIP AWARD
Phillips Academy- June 2018
Given for excellence in leading a community service program

STEVENSON PRIZE
Phillips Academy- June 2018
Awarded to top German language student of graduating class

EXPERIENCE

SOFTWARE MARKET ANALYST- CANTO   May- Aug. 2019
Characterized the Digital Asset Management software market, infiltrated competitors to extract and analyze market strengths and trends, presented market research findings to subteams and entire San Francisco team

SOFTWARE ENGINEER- HAAT PROJECT   Jan. 2020- Current
Creating sound engine for iOS application to process environmental input from ultrasonic speakers into sounds data that conveys direction and distance to objects for visually-impaired users

RESEARCH ASSISTANT- NEURAL NETWORKS   Aug.- Dec. 2019
Research in McMahon lab for Quantum Computing. Using Pytorch to create ordinary differential equation based neural networks to be optimized by Coherent Ising Machines

ELECTRICAL ENGINEER- HAAT PROJECT   Aug.- Dec. 2019
Designed circuitry for hat with distance sensors capable of relaying distance and direction of objects ahead, created protype within first two months, focus now on software

CIRCUIT ENGINEER- SOUND LASER   Aug.- Dec. 2019
Designed circuit for experimental sound laser-- used function generators, oscilliscopes, and frequency modulation to send any frequency in collimated beam of sound with little diffraction

LAB PHYSICS- MECHANICS AND E&M   Aug. 2018-May 2019
Designed experiments, collected data with sensors, modeled mechanical and electromagnetic phemomena w/ logger pro

VR CONTENT PRODUCER- AMAZON FAUNA   June- Aug. 2017
Captured & edited 360° video of jaguars, anacondas, giant otters, and pink dolphins in Amazon rainforest for VR education

FIELD RESEARCHER- JAGUAR BEHAVIOR   June- Aug. 2015
Identified jaguars by spot patterns on face and body, analyzed behavior, and added to jaguar database--worked well with unschooled, local fishermen and Amerindians in Amazon

STEM CLASSES

COMPUTER SCIENCE
• CS 1110: Introduction to Computing Using Python
• ECE 1210: Smartphone Computing Technology
• CS 2110: OO Programming and Data Structures
• CS 2800: Discrete Structures (current)
• CS 3420: Embedded Systems (current)

PHYSICS
• PHYS 1116: Physics I: Mechanics and Special Relativity (Honors)
• PHYS 2217: Physics II: E&M (Honors)
• PHYS 2218: Physics III: Waves & Thermal Physics (Honors)
• PHYS 3316: Basics of Quantum Mechanics (current)

MATH
• MATH 1920: Multivariable Calculus for Engineers
• MATH 2930: Differential Equations for Engineers
• MATH 2940: Linear Algebra for Engineers