

Joe Zhang

Student

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Undergraduate junior at Dartmouth College majoring in Computer Science with a passion for coding and mathematics. Strong math, logic and organizational skills and focused attention to detail. Familiar with programming languages: Python, C, R, Java. Experienced in research in a computer lab and an immunology lab; skills include teamwork in software development, creating and keeping deadlines, problem solving, and more.



Work Experience/Relevant Experience

**Jun 2017 -
Jun 2019**

Research Assistant in Immunology Laboratory

(PI) Mary Jo Turk, Dartmouth College, Hanover, NH

- Researched Memory T cells in mice and its effects on melanoma growth to better understand autoimmune diseases.
- Performed PCR, mouse surgery/takedowns, Western blots, managing cell cultures, data analysis

**Mar 2019 -
Jun 2019**

Awarded Sophomore Research Scholar (Dartmouth)

Laboratory Of Bo Zhu, Hanover, NH

- Research different types of fluids and their properties to model them in computer simulations
- Using Pybind to make existing C++ code compatible with Python

**Mar 2020 -
Mar 2020**

Smartphone Programming

Eye Spy, Android App (Group Of 4)

- Designed, implemented, tested, and debugged a smartphone applications for assisting the visually impaired
- Worked with java, phone sensors, threads, background services, and cloud programming using Firebase
- Project website: <https://eyespyapp910147145.wordpress.com/>

**Jul 2015 -
Jul 2016**

Trail Maintenance Worker, Volunteer

Upper Valley Trails Alliance, Norwich, VT

- Volunteer work with a group of high school students to provide a service to the community
- Worked effectively in teams to use learned trail building skills to maintain local trails across the Upper Valley



Education

**Sep 2017 -
Current**

Bachelor of Arts: Computer Science

Dartmouth College - Hanover, NH

- GPA: 3.2/4.0
- Relevant Coursework: Object Oriented Programming, Algorithms, Software Design and Implementation, Smartphone Programming, Full-Stack Web Development, Machine Learning and Statistical Data Analysis, Artificial Intelligence, Principles of Robot Design and Programming
- Activities: Member of Zeta Psi Fraternity, Member of Agape Christian Fellowship, Computer Science Tutor



Skills

Computer Skills: Java, Python, C, R, HTML, JavaScript, Microsoft Office

Interpersonal Skills: Problem Solving, Data Analysis, Teamwork, Communication