

JACOB DONOGHUE

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EDUCATION

Dartmouth College, Hanover, NH **June 2023**
Bachelor of Arts, Majors in Computer Science and Government **GPA 3.84/4.0**
Activities: Music Director of the Dartmouth Aires, Alpha Chi Alpha Fraternity **In-Major (CS) GPA 4.0**
Honors: *Erich Kunzel Class of 1957 Award*, Leslie Center for the Humanities Research Fellowship
Citations for Academic Excellence in: Full-Stack Web Development, Humanities II
Relevant Coursework: Object-Oriented Programming, Software Design and Implementation, Foundations of Applied Computer Science, Full-Stack Web Development, Statistics, Discrete Probability, Linear Algebra

St. Albans School, Washington, DC **June 2018**
Graduated Cum Laude **GPA 93%**

RELEVANT EXPERIENCE

Warbler **August 2020-Present**
Co-Founder

- Co-founded a gamified music-education platform scheduled to launch in schools in September 2021
- Spearheaded lesson creation by developing a dynamic music notation interface as well as interactive sightreading and rhythm activities
- Led customer research to develop a long-term community-centric model for the company

Eastern Research Group, Remote **January 2021-March 2021**
Software Engineering Intern

- Implemented an intranet search engine using Elasticsearch and replaced internal project order system
- Worked on a team to create an emissions-tracking web app for the EPA in under three weeks

Beepboop, Remote **September 2020-December 2020**
Software Engineering Intern

- Redesigned and digitized information flow to scale operations and create a foundation for future technology development at an early stage language-learning startup
- Minimizing training time for each teacher and improving user traction by designing, creating, and launching a web app that standardizes teaching and automates the secure collection, analysis, and distribution of performance statistics for over 500 weekly users
- Launch of teacher portal resulted in a 100% increase in monthly revenue

Dartmouth College Tutor Clearinghouse, Hanover, New Hampshire **September 2019-June 2020**
Computer Science Tutor

- Teaching and reinforcing techniques, syntax, and applications of computer programming by helping students apply techniques learned in class to actual projects

LEADERSHIP

Office of the Secretary of Defense for Legislative Affairs, Arlington, Virginia **April 2021-June 2021**
Research Intern

- Supported nominations of officials including the Secretary of the Army and Under Secretary of Defense for Research & Engineering by drafting read-aheads in preparation for nomination hearings.
- Tracked viewpoints of various congressional committees on initiatives including the Afghanistan withdrawal, FY 2022 defense budget, and China policy. These materials were used to brief the Secretary of Defense ahead of his congressional engagements.

SKILLS

Technical: Java, Python, R, MATLAB, Linux, C, HTML, CSS, JavaScript, PowerShell, Full Stack Web Development, ReactJS, Redux, Express, Firebase, MongoDB, NoSQL, GitHub