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EDUCATION

Amherst, Mass.	University of Massachusetts Amherst	Anticipated May 2022

- B.S. in Computer Science, Political Science – Commonwealth Honors College – cumulative GPA: 4.0
- Relevant Undergrad Coursework: Programming w/ Data Structures, Computer Systems Principles, Reasoning Under Uncertainty, Programming Methodology, Calculus II, III, Linear Algebra

Lowell, Mass.	University of Massachusetts Lowell	Sep. 2018 – Dec. 2018

- B.S. in Computer Science – Honors College – cumulative GPA: 4.0
- Relevant Undergrad Coursework: Intro to Data Analysis (SPSS), Calculus I, Computing I

EMPLOYMENT

Secretary of Technology	UMass Student Government Association	May 2020 -

- Responsible for all technology-related aspects of the organization
- Wholescale redesign of the SGA website, a university-hosted WordPress-based site, load times cut in half
- Pioneered and developed an official guided tour iOS experience for the university in collaboration with University Relations and Admissions
- Took the lead on a variety of COVID-19 related initiatives: online student resource hubs, a virtual student veteran resource center, and brand-new COVID special elections pages.

Engineering Intern	Bin1 ATE – Ashland, Mass.	Summer, 2019 & 2020

- Worked at a startup specializing in automated test equipment for semiconductor manufacturing
- Gained hands-on experience with precise instrumentation, electronics and complex software design
- Skills developed include procedure & documentation creation, PCB design, and embedded software design

PROJECTS

- **Sole Developer** - **UMass Campus Tour** (2020). Collaboration with the University of Massachusetts on an official iOS and watchOS campus tour experience, targeted at prospective students. User-friendly design, GPS walking guidance, voice narration, and campus navigation. Swift, SwiftUI
- **Creator** – **Béton3** (2020). Arduino-based open-source macro pad design hosted on GitHub. Custom firmware, CAD designed chassis, laser-cut bezel, and concrete cast volume knob. C, Illustrator, Autodesk
- **Sole Developer** – **UMass BRUT iOS App** (2020). Collaboration with the UMass Amherst & Dartmouth-based advocacy group UMass BRUT on a showcase iOS application designed to highlight Brutalist architecture at both university campuses, coinciding with their symposium in Oct. 2020. Swift, SwiftUI
- **Sole Developer** – **UMass Campus Architecture** (2020). A content-rich iOS interactive guide designed to highlight the stunning architecture of the UMass campus in Amherst, Mass., featuring 132 points of interest across campus. My first venture into iOS development. Swift, SwiftUI

ADDITIONAL EXPERIENCE AND AWARDS

- **Volunteer, Center for Education Policy and Advocacy (2019 -):** Volunteer with an activist group, active in the Food Justice campaign, advocating for a more racially and economically just food system
- **Columnist, Massachusetts Daily Collegian (2019 -):** Published in the university's student newspaper
- **Volunteer, MassPIRG (2019 -):** Volunteer with the Massachusetts Public Interest Research Group, mostly around climate policy advocacy
- **Senator, UMass SGA (Apr. 2019 – May 2020):** Completed a variety of projects: reusable bags for UMass Dining Services, Fine Arts Center wayfinding improvements, and parking ticket outreach program
- **Awards:** Dean's List (all semesters), John and Abigail Adams Scholarship, David C. Knapp Scholarship

LANGUAGES, TECHNOLOGIES, AND SKILLS

- Java; JavaScript; C; Java; Swift; SwiftUI; Python; HTML; CSS; Linux; macOS; iOS; watchOS;
- Xcode; Eclipse; Visual Studio; CAD (Autodesk); Photoshop; Illustrator; Arduino IDE; LaTeX
- teamwork; leadership; communication; management; strategy; graphic design; user experience