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## EDUCATION

**Amherst, Mass.** **University of Massachusetts Amherst** **Jan. 2019 - present**

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

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

- B.S. in Computer Science – Honors College – GPA: 4.0
- Relevant 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 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

- **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
- **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