

EMMA LANGFITT

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EDUCATION

Dartmouth College, Hanover, NH

Bachelor of Arts in Computer Science modified with Quantitative Social Science, Minor in Psychology

Relevant Coursework: Full-Stack Web Development, Software Design and Implementation, Data Visualization, Mathematical Modeling in the Social Sciences, Analysis of Social Networks

Spring 2020

GPA 3.93/4.00

Easton High School, Easton, MD

Valedictorian, Class President, Excelsior Award for Academic Excellence

Spring 2016

GPA 4.00/4.00

EXPERIENCE

Appian Corporation, *Software Engineer Intern*

Summer 2019

- Built and updated front-end components for Appian's low-code platform with a team of full-stack engineers
- Used React and JavaScript to modernize the user interface and increase the platform's customizability
- Wrote automated tests using Jest for each implemented feature before shipping code into production

Digital Applied Learning and Innovation (DALI) Lab, *Designer & Developer*

Winter 2019 - Fall 2019

- Collaborated with lab members to design and build technology-based solutions for partner projects
- Created mockups, greyscales, hi-fi prototypes, and style guides for team-based web and mobile applications

Computational Social Affective Neuroscience (COSAN) Lab, *Research Assistant*

Winter 2019

- Developed a social rating app using the Ionic development framework for use in the lab's social experiments
- Implemented a Firebase backend system to manage the app's authentication and data storage functionalities

Dartmouth College Department of Computer Science, *Teaching Assistant*

Winter 2019

- Provided guidance and feedback on student coding assignments for a C-based software development course
- Facilitated weekly review sessions on concepts related to software design, implementation, and documentation

PROJECTS

Mobile Development, *Vibes*

Spring 2019

- Collaborated with a team of five to build an app allowing users to create location-based collaborative playlists
- Leveraged Spotify's API to integrate user data and to implement an in-app music player component

Interface Design, *Breathalyzing App and Bluetooth Device*

Spring 2018

- Designed a product to enable students to engage in safer drinking behavior in a four-person team
- Created a prototype user interface of a mobile app that allows users to track their BAC over time
- Produced an Arduino-based working prototype of a Bluetooth-connected breathalyzing device

Software Development, *Google Chrome Extension*

Summer 2018

- Built a Google Chrome extension that allows users to automatically turn social media sites to greyscale
- Encouraged mindful use of social media platforms by removing color cues that create compulsive attention

SKILLS & INTERESTS

Technical: Python, Java, C, HTML/CSS, JavaScript, Adobe Illustrator, UX/UI Design, R, VHDL

Interests: rock climbing, photography, technology for social good, ethics in technology, digital mindfulness