

ADAM J. MCQUILKIN

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EDUCATION

Dartmouth College, Hanover, NH **June 2022***
GPA 3.81/4.0
Bachelor of Arts, Major in Computer Science and Engineering, Minor in Human-Centered Design

Relevant Coursework: Full-Stack Web Development, Problem Solving via Object-Oriented Programming, Software Design and Implementation⁺, GPU Programming*

⁺received citation for academic excellence, *future course

Hollis/Brookline High School, Hollis, NH **June 2018**
GPA 4.31/4.0
SAT: 1550

WORK EXPERIENCE

D-Planner, LLC, Hanover, NH **September 2018 - Present**
Co-founder, Software Engineer, Product Designer

- Co-founded D-Planner, an academic planning startup with > 750 active users at Dartmouth College
- Acquired and leading development of LayoutList.com, a student review site with > 8,000 active users at Dartmouth College
- Led development of the D-Planner.com web application using MERN software stack, redeveloping app for second-round deployment in Typescript and Django on AWS
- Worked with college leadership to outline weaknesses in current web infrastructure and student experience
- Presented to alumni and college investors on behalf of Thayer School of Engineering as a distinguished student presenter

Dartmouth Applied Learning and Innovation Lab, Hanover, NH **January 2019 - Present**
Software Engineer, Development Mentor

- Develop production-ready web applications for paid client work
- Led team to develop Dartmouth College's official term-election interface to be used by > 6,000 undergraduate students
- Developed custom code templates for use in new projects which save > 75 development days per 10-week term
- Led team to develop platform to manage all active volunteer opportunities in NH with the Office of the Governor
- Developing a custom-tailored productivity app with Tuck Startup Incubator with support from TechStars Boston
- Currently overhauling lab development to ensure code quality through targeted mentorship and improved accountability

Nextmove Technologies, Hollis, NH **Summer 2018 (3 mos.), Summer 2019 (3 mos.)**
Head of Web Development

- Independently designed, developed, and implemented a new company web platform with custom media production
- Increased website traffic by 220%, lowered site bounce rate by 60%, and increased page views per session by 70%

ADDITIONAL EXPERIENCE

United States Patent 9,632,952 **Awarded January 2017**
Inventor, Sole Patent Holder

- Designed an Intermediate Computer Interface Device (ICID) to intercept HID signals on a host / device USB bus using an embedded μ C system written in C / C++

PERSONAL ACHIEVEMENTS

Certified Wilderness First Responder (WFR) **May 2019 - Present**
• Achieved a perfect score in an intensive 80-hour training course focused on backcountry lifesaving skills

New England Hundred-Highest Club **August 2005 - August 2020**
• Summited the 100 highest peaks in New England, 15 of which require advanced backcountry navigation

Eagle Scout, Hollis Troop 12 **January 2017**
• Raised > \$1000 dollars and rebuilt remote cabins for a local nonprofit land trust leading > 30 volunteers

SKILLS & INTERESTS

Programming: ReactJS, Redux, NodeJS, ExpressJS, Typescript, Javascript, CSS / Sass, HTML / JSX, Python, C / C++, Java, MongoDB, Git, Bash, Verilog HDL

Interests: Product Design, Digital and Film Photography, Video Production, Hiking, Mountain Biking