

Mitch Talmadge

<https://mitchtalmadge.com/>

Full-stack production engineer and SaaS startup founder with 8+ years of experience taking concepts to creation. Excellent communication skills. Self-driven learner. Loves to work independently and in teams.

EDUCATION

Aug. '16 to Dec. '21 **University of Utah College of Engineering** – B.S. / M.S. Computer Science
3.9 GPA • Direct Admit • Immediate Full-Major Status • Honors Scholarship • HackTheU Director

EXPERIENCE

- May. '19 to Aug. '19 **Facebook** – Production Engineer Intern
- Designed, implemented, and productionized a new data storage system for internal management of very large advertisers, resulting in an 8x speed increase over old system.
 - Created internal tooling and worked directly with business partners to resolve pain-points.
- Jul. '18 to Jan. '19 **ConexED** – Software Engineer
- Wrote FFMPEG video processing algorithms to merge conference recordings into a single MP4 file. Employed multiple AWS services including SQS, SNS, ECS, and Lambda.
 - Built an appointment check-in kiosk system with wait-time estimation and live displays.
- Jun. '18 to Nov. '18 **Gizmode Innovations** – IoT Software Engineer
- Developed embedded C++ firmware and circuitry for an ESP8266 microcontroller.
 - Created web application and backend framework to interface with IoT device firmware.
- Aug. '16 to Present **AptiTekk, LLC.** – Founder & CEO
- Designing highly-available Spring Cloud web applications with Docker and Kubernetes.
 - Utilizing JIRA, Bitbucket, and Bamboo for agile continuous integration processes.
 - Connecting physical and virtual Linux servers to host company website and services.

SKILLS

Languages: C, C++, C#, Java (EE), Python, PHP, Hack, SQL, JavaScript, TypeScript, HTML, CSS, UML, XML.
Frameworks & Patterns: Java Spring, Node.JS, Express, Zend, Angular, React, Electron, Arduino, REST, MVC.
Tools: Docker, Kubernetes, Webpack, Atlassian, Jenkins, Linux, Windows Server, Heroku, AWS, Firebase.

HONORS

Sterling Scholar: Regional Winner – Computer Technology

Central Utah Science and Engineering Fair:

- First Place – Computer Science
- Intel Excellence in Computer Science Award
- Dean's Award – BYU David O. McKay School of Education

Technology Student Association (TSA): First Place – Software Development

Microsoft Technical Associate (MTA): First Place – Development Fundamentals

PROJECTS

- Jun. '18 to Nov. '18 **IoT Water Alarm** – Upgrade to existing leak detection system, with custom embedded firmware and a web-based control panel. 100% self-designed and implemented with client feedback.
- Aug. '15 to Present **AptiBook** – Multi-tenant room and equipment reservation system built around a hierarchical approval process. Designed for schools, with support for Google Apps and CAS authentication.