

ALEX QUINLAN

EDUCATION **UNIVERSITY OF MICHIGAN | CLASS OF 2016**
B.S. in Computer Science with a minor in Music

PROFESSIONAL **CNSI | SOFTWARE ENGINEER | JULY 2016-PRESENT**
EXPERIENCE

Healthcare I.T. company that designs and builds solutions for government agencies, healthcare providers, and their clients. They deployed the first cloud-based Medicaid Management Information System (MMIS) in the US for the State of Michigan in 2018.

- Children's Special Health Care Services (CSHCS) Project: Worked with multiple teams across the US & India to build two complementary applications. Handled UI defects as well as thorough testing; used JavaScript for front-end and Java & JSPs for backend, using an Oracle relational database.
- TennCare Project: Worked heavily on front-end design and PL/SQL implementations for this consumer tracking tool. Adapted the UI using Angular.js, as well as prepared it for multiple potential clients using i18n.
- Architecture Team: Designed and implemented prototypes for additional components on CNSI's core modules. Collaborated with the offsite team on design & implementation of a lightweight Payment Processing tool (Java Spring), a database logging component (REST API using Java Spring), and finally an OAuth2 security demo using Node.js.
- Office of Workers' Compensation Programs (OWCP): Federal project for validating and processing workers compensation claims. Heavily involved in testing pricing workflows and creating internal tools. Designed and developed a defect tracker using Angular 6 and Java Spring Boot, with Oracle db.

IMRA AMERICA INC. | WEB DESIGN INTERN | SUMMER 2015

- Responsible for the design and implementation of the interface of an FPGA device (Red Pitaya).
- Learned about responsive design using the Bootstrap framework.
- Expanded the functionality of the device using jQuery & AJAX to interact with backend services.

SKILLS & EXPERIENCE **PROGRAMMING**

Java, JavaScript, C++, HTML&CSS, Angular 6, SQL & PL/SQL, Python, Node.js,
Spring Framework, Bootstrap Framework, SVN/Git

LEADERSHIP

Compulsive Lyres A Capella, Webmaster, 2015-2016

Managed the group's website using WordPress. Responsible for updating event information, current member bios, and uploading recent media.

University of Michigan Men's Glee Club, Archivist, 2014-2015

Worked with media manager to record, convert, and store all performances in Amazon S3.

PERSONAL PROJECTS

Album Journey, 2017-Present

Web application for tracking progress through Rolling Stone's Top 500 Albums of All Time list. Scraped the web for album covers and details using Python. Backend content handled using Python Flask, a MySQL relational database, and jQuery & Bootstrap for the frontend.