

# Arham Jain

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## EDUCATION

**University of Michigan** | Ann Arbor, MI | GPA: 4.0 (Transfer) Sept 2018 - Present

Bachelor of Science Engineering (Computer Science) | Estimated Graduation: May 2020

Introduction To Computer Organization (EECS 370) | Data Structures and Algorithms (EECS 281)

Intro to Autonomous Electronic Systems (ENGR 100) | General Physics I (PHYSICS 140/141)

**Michigan State University** | East Lansing, MI | GPA: 4.0 August 2017 - May 2018

Calculus 3 | Discrete Mathematics | Intro to Programming II C++ | Data Structures and Algorithms

**Okemos High School** | Okemos, MI | GPA: 3.98 (Unweighted) Sept 2014 - June 2018

## EXPERIENCE

**GrowthChart** | *Lead Frontend Developer* | <https://mygrowthchart.blog> June 2017 - Present

Designed (UI/UX) and built entire frontend with VueJS and Spectre CSS. Devised application data flow.

**State of Michigan DTMB** | *IT Student Assistant* | Solution Design Team June 2018 - August 2018

Built an automated testing framework for Firewall Rule request portal. Created team communication app for Android.

Parsed issue tracker to send out notification emails using NodeJS. Scraped information from doc files into JSON.

**Michigan State University CMEIAS** | *Lead Programmer* | <http://cme.msu.edu/cmeias> April 2016 - July 2018

Co-authored research paper titled "Influence of Substratum Hydrophobicity on the Geomicrobiology of River Biofilm

Architecture and Ecology Analyzed by CMEIAS Bioimage Informatics". Maintained and enhanced C++ code that

analyzes and processes images of cells, providing many useful statistics about cell colonies.

**Ivy Coding Camp** | *Software Intern* May 2017 - August 2017

Helped establish coding camp for 20 middle schoolers. Created educational materials and mentored students.

## LEADERSHIP

**FIRST Robotics Team 1504 (The Desperate Penguins)** | *CEO, Lead Scout, Programmer* Sept 2014 - August 2018

Directed team of 35+ students from Greater Lansing area. Led programmers in writing robot code. Designed and

developed scouting app for data analysis of other teams. Mentored Team 7144, helping them qualify for States.

**Okemos CS Club** | *President/Founder* Sept 2016 - June 2018

Students participated and won prizes in MHacks, Spartahack, and MSU HSPC. Team competed in the Michigan

Governor's Cyber Challenge, coming in 1st place. Encouraged and mentored students during meetings.

## PROJECTS

**Lit** | *Style Framework* | <https://ajusa.github.io/lit/> Jan 2018 - Present

Created world's smallest CSS framework. Explores CSS compression and optimization. Has 1000+ stars on GitHub.

**Genstar** | *Game* | <https://github.com/ajusa/genstar> May 2017 - June 2017

Two player star fighter game customized in the spirit of '80s arcade games, built with Love2d and MoonScript.

**Drops/Addds** | *School Administration* May 2016 - Aug 2016

Built to modify high school's process of dropping and adding courses to student's schedule. Replaced whiteboards with real time web app.

## LANGUAGES

**Expert:** Javascript, CSS, HTML, C++, Arduino, C, Python, Java, Lua, R, Moonscript, D

**Proficient:** Borland C++, Golang, Nim, Markdown, JSON, YAML, Visual Basic, C#, SQL, SASS, LESS

## TECHNOLOGY SKILLS

**Expert:** VueJS 1/2, NodeJS, Git/Github, Linux, ExpressJS, Restful API Dev, RiotJS, Socket.io, Web Scraping, NPM

**Proficient:** Tachyons CSS, AngularJS, Spectre CSS, Firebase, Flask, Ionic, Bootstrap, PureCSS, Win32 API

**Beginner:** Gin-Gonic, PixiJS, .NET, Love2D, DigitalOcean, Websockets, Gulp, Yarn, Mustache, Make

## AWARDS

Spartahack 2018 (Top 10, Best UX, Best Hardware Hack), Governor's High School Cyber Challenge 1st Place,

Spartahack !Light 2017 Semi-Finalist, Spartahack 2016 Top 10, Spartahack 2015 2nd Place Whirlpool Award