

# Varun Jindal

Personal Website: [www.varunjindal.com](http://www.varunjindal.com)

☎ (631) 428-0750 | ✉ [vjindal@umich.edu](mailto:vjindal@umich.edu) | 📱 [vjindal0112](https://www.instagram.com/vjindal0112) | 💼 [linkedin.com/in/varun-jindal](https://www.linkedin.com/in/varun-jindal) | 🐦 [@vjindal0112](https://twitter.com/vjindal0112)

## Education

### University of Michigan

Ann Arbor, MI

B.S.E. IN COMPUTER SCIENCE, MINOR IN ENTREPRENEURSHIP

2019 - 2023

- GPA: 3.9
- Coursework: Data Structures and Algorithms, Microprocessors and Toys, Discrete Math, Linear Algebra

## Projects

### StudyBuddies

E. Setauket, NY

- Created <https://umichstudybuddies.com>, getting 7096 form responses in two weeks of people who entered their classes and study habits so that we could match them with 2 other study buddies in their class.
- Designed the site with Figma for collaborative design and developed with React.js for easily modular code.
- Implemented a matching algorithm in Python which processed over 7000 form responses and was able to match people by similarity.
- Managing a team of 5 so that we can roll out this product to 3 additional colleges.

### Enlight

E. Setauket, NY

- Joined the co-founding team of <https://enlight.nyc> to make it into \*the\* place to learn to code by building projects
- Built a custom content management system with Gatsby.js and Firebase, reducing friction and increasing project submissions from 0 to 15
- Drove an over 15% increase in user base from 9,500 to over 11,300 developers since joining
- Launched a new product which created the first revenue for the company: Enlight cohorts
- Created custom dashboards for every member of cohorts which improved user retention by 15%

### Autonomous Robotic Arm

E. Setauket, NY

- Engineered robotic arm on team of 3 that can pick up, flip, and deposit pennies accurately on a target.
- Utilized 5 Servos to make up the robotic arm with servo blocks to ensure structural stability.
- Implemented x-y coordinate grid system to deposit pennies and used Arduino and custom PCB as control system.
- Managed and developed entirety of Arduino C/C++ code base

## Research

### Research with the Garcia Program, Stony Brook University

Stony Brook, NY

RESEARCH INTERN

2018

- Created novel thermoplastic, biodegradable and flame-retardant polymer blend as replacement for PLA (Poly-Lactic Acid).
- Expanded the applications of 3D printable material PLA by enhancing ductility and addressing lack of flame retardancy.

### Research at CEWIT, Stony Brook University

Stony Brook, NY

RESEARCH INTERN

2017

- Implemented multi-threading in Java to improve efficiency of Android Studio app that creates indoor maps with echolocation.
- Enhanced the speed of wall and door detection with multi-threading.
- Created a settings menu to change parameters for wall and door detection.

## Extracurriculars

### Shift Creator Space

Ann Arbor, MI

CREATOR

2019 - Present

- Communicate with group weekly, giving and receiving feedback about personal project goals; managed with scrum board.
- Attend workshops on software, design, and sketching.
- Creating a React Chrome Extension that presents people with weekly metrics to encourage social engagement.

### FunkTion Hip Hop Dance Team

Ann Arbor, MI

DANCER

2019 - Present

- Dancer on only all-male hip-hop dance team that performs numerous times for over 400 people.
- Choreograph songs and assist in choosing songs for main performance.

## Skills

React.Js, Gatsby.Js, JavaScript, Python, C++, HTML/CSS, Figma