

Varun Jindal

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Education

University of Michigan

Sep 2019 - April 2023

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

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

Projects

StudyBuddies, Co-Founder

Aug 2020 - Present

- Launched <https://umichstudybuddies.com>, getting 7096 form responses in under two weeks
- Developed a matching algorithm in Python which processed people's classes and study habits to match over 98% of them by similarity with two other study buddies in their class.
- Working with the Center of Academic Success at the University of Michigan to match students.
- Optimized SEO to bring the site to the first Google Search and led the development of the site entirely in React.Js.
- Managed a team of 4 and successfully rolled out the product to UCLA and UChicago.

Enlight, Co-Founder

April 2020 - Sep 2020

- 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 generated the first revenue (\$3000+) for the company: Enlight cohorts
- Created custom dashboards for every member of cohorts which improved user retention by 15%

Autonomous Robotic Arm

Sep 2017 - May 2018

- 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

June 2018 - Aug 2018

RESEARCH INTERN

- Devised a 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

June 2017 - Aug 2017

RESEARCH INTERN

- 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 by over 30%.
- Integrated a settings menu to change parameters for wall and door detection.

Extracurriculars

Shift Creator Space

Sep 2019 - Present

CREATOR

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

Dance Teams

Sep 2019 - Present

TEAM CO-LEADER AND CHOREOGRAPHER

- Team co-leader and choreographer for Indian-American Student Association Bollywood Dance group and also a dancer on FunKtion, an all-male hip-hop team
- Choreograph songs and lead meetings, working to instill a sense of community in a 23 dancer team

Skills

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