

Hiren Patel

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EDUCATION

University of California, Davis

September 2021 – June 2023 (*Expected*)

Bachelor of Science, Major in Computer Science, Minor in Technology Management

Davis, CA

- Cumulative GPA: 3.63/4.0

Ohlone College

September 2019 – May 2021

Major in Computer Science

Fremont, CA

- Cumulative GPA: 3.9/4.0

42 Programming School

June 2018 – December 2020

International network of project-based pedagogy and peer-to-peer learning model of non-profit schools

Fremont, CA

- Projects in Systems Programming, Cryptography, Algorithms, Web Programming, Developer Operations, and Data Structures

Related Coursework: Computer Architecture, Programming Languages, Computer Network, Operating Systems, Game Theory, Object Oriented Programming, Discrete Structures, Data Structures, Assembly Language, Algorithm Design and Analysis, Probability and Statistics Model for C.S., Calculus, Linear Algebra, Microeconomics, Macroeconomics, Marketing for Tech Enterprise, Technology Management, Professional Writing

SKILLS

- **Programming:** C, C++, Python, Java, Swift, SwiftUI, HTML/CSS, JavaScript, SQL, PHP, R, React
- **Platforms & Tools:** Unix/Linux, Git, Vim, Docker, SSH, Visual Studio Code, XCode, Microsoft Suite (Excel, PowerPoint, Word), Google Suite (Sheets, Docs, Slides), Firebase, LaTeX, Figma, Canva, Sketch, Trello, Slack, VMWare, Google Apps Script

EXPERIENCE

Software Developer and Integration Testing

June 2020 – Current

Kamal Spices (kamalspices.com)

Pleasanton, CA

- Reduced over 4 hours of managerial tasks weekly through IFTTT API integration and automated email/SMS reply script upon matching regex.
- Created slack bot capable of task assignment, reminders, tracking and real time employee performance reporting which increased efficiency by 24%
- Developed automated order sheet creator and web dashboard with data visuals that pulls data from sales report database using Google Apps Script

Research and Development Branch Director

March 2020 – May 2021

Associated Students of Ohlone College (asocohlone.org/research-and-development)

Fremont, CA

- Hosted “OhloneHacks” - first ever hackathon in a California community college with team of 4 in 2019; served as director the following year and increased participation from 102 to 201 by signing on new sponsors and partnering up with college faculty
- Restructured and reorganized ASOC website and increased site traffic by 38% through implementing consistent design language and interactive UI
- Authored bills to propose projects that address student concerns and reallocate human/funding resources from legacy to newly approved projects

Club President

March 2020 – May 2021

Dot Slash Computer Science Club, Ohlone College (dotslashes.com)

Fremont, CA

- Managed leadership team of 6 and curated semester roadmaps with collaborative projects, workshops, and industry panels
- Increased club size by 48% through introduction of a peer learning model and revamped marketing through frequent social media engagement
- Lead 7 workshops on topics such as using Git, building a website, using UNIX commands, DevOps tools, and building Flappy bird

Computer Science and Robotics Instructor

May 2017 – August 2020

Nurture Kids After School Program (www.nurturekids.com)

Pleasanton, CA

- Planned 10 weeks long curriculum for “Introductory programming”, “Robotics with Lego Mindstorm”, and “Roblox Game Development” courses
- Assessed and managed 40+ students’ progress and worked closely with other staff to ensure comprehension of the curriculum
- Maintained effective communication with parents and improved satisfaction with student learning progress and achievements on course projects

EXTRACURRICULAR / PROJECTS

Memorize APP (github.com/hirenpatel007/memorize)

- Developed an interactive card matching memory game using Swift-UI and the Model-View-ViewModel design pattern in the XCode IDE
- Implemented API calls to fetch assets for multiple themes, theme editor for customizability, and animation for visual effects and user feedback

Dice App (github.com/hirenpatel007/Dice)

- Developed a single page model-view-controller application written in swift that rolls a pair of dice upon device shake gesture and displays total

FT_SSL (github.com/hirenpatel007/ft_ssl_md5)

- Recoded security technologies as a part of the OpenSSL software library in the C using limited library function from scratch
- Implemented specific security technologies such as BASE64, DES-ECB, DES-CBC, MD5 Hashing Algorithm and SHA Hashing Algorithms

DOGWASH-Website (github.com/hirenpatel007/ecole_42-php_rush00)

- Developed a dynamic e-commerce website made with PHP for the backend and implemented interactive functions with JavaScript for frontend
- Implemented data and user management, shopping cart, administrative control, product categories, filter and sort products feature for website

FILLIT (github.com/hirenpatel007/ecole_42-fillit)

- Developed project in C that uses a bin-packing algorithms to fit given Tetris pieces into the smallest possible box through recursive backtracking