


Nikhil Jain

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EDUCATION

University of California, Berkeley | May 2021

B.S. in Physics, Minor in Computer Science

- CS61A (Structure/Interpretation of Programs)
- Physics 5A (Honors Mechanics and Special Relativity)

University of Maryland, College Park | Summer Course 2015

- CMSC198B: Cryptography
 - Grade: A

Cornell University | Summer Course 2016

- CS2110: Data Structures and OOP
 - Grade: B
- ASTRO105: The Universe
 - Grade: A+

Middlesex County Academy | June 2017

Engineering Magnet High School

- Discrete Math, Linear Algebra, Calc. I, II
 - Digital Logic, DC/AC Circuits, Sequential Circuits
 - Microcontrollers and Assembly language
 - Object Oriented Programming with C++
- GPA: 5.35

SKILLS

• Node.js • Java • Android • Javascript • HTML/CSS • Flask • REST • C++ • OpenCV

ACCOMPLISHMENTS

- 16+ hackathons
- 10+ side projects
- PennApps XV 3rd Place
- HackRU Fall 2015 2nd Place, Best Hardware Hack, Best Pebble Hack, Best SendGrid Hack
- CodeDay NJ 2015 Best App Overall
- ProfHacks 3rd Place, Best Quantified Self Hack
- HackBCA 3 Best Use of Amazon Web Services

SELECTED PROJECTS

Tacteyele - PennApps XV, 3rd place/~4000

- Developed OpenCV app, **Tacteyele**, that lets Parkinson's patients use laptops hands-free
- Tracked face movements for mouse, eye blinks for clicks, and used voice for commands/typing

Door Sight - Senior Capstone Project

- Developed facial recognition door lock that only opened for trusted faces
- Raspberry Pi, OpenCV, Python, Flask server

Robn

- Use phone as laptop and keyboard replacement
- Node.js server, Socket.IO, Python

midPoint - Hackathon project to Android app

- Android app to optimize meeting place closest to all friends
- Android, Google Maps API, Google Places API

Dollr Bills - CalHacks 2017

- Computer vision app to recognize money for blind people
- Differentiates between each type of US coin and dollar bill using OpenCV and Python

BD Pebble Tennis - HackRU Fall 2015, 2nd place, Best Hardware, Best Pebble Hack, Best Sendgrid Hack

- Smart tennis racket that tracks strokes with accelerometer data

EXPERIENCE

Savy, Inc - Web Developer | Summer 2016

- Programmed data visualization tools for online shop owners
- Plotted thousands of data points on map with relevant customer information tagged
- Used Node.js/Express, HTML/CSS, Google Fusion Tables

Disability Allies - Web Developer | Summer 2016

- Created features of website using Joomla (web framework) for nonprofit