Avi Patel

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EDUCATION

- **Purdue University** — West Lafayette, IN
  Bachelors of Science in Computer Science — *Aug. 2020 - May. 2024*
  - <u>Relevant Coursework:</u> Problem Solving and Object-Oriented Programming, Intro. to Statistics, Data Mine I
- **Dublin High School** — Dublin, CA
  Advanced Scholar Diploma — *Aug. 2016 - May 2020*
  - <u>Relevant Coursework:</u> AP Calculus BC, Calculus 3, Linear Algebra, Intro. to Programming in C++

EXPERIENCE

- **Delta Faucet Company** — West Lafayette, IN
  Data Science Intern — *Aug. 2020 - Present*
  - Data Mine academic year (9 month) student experience
  - Working on data analysis projects directly with mentor Liz Kershner (Senior Director, Insights and Advanced Analytics at Delta Faucet Company)
- **Tri-Valley Youth Expo** — Dublin, CA
  Head of Communications — *Sept. 2019 - May 2020*
  - Secured sponsorship money with companies and government organizations for our annual hackathon
  - Formed partnerships with local high schools and non-profit organizations to advertise the event
  - Facilitated weekly discussions with my team and kept track of progress in a shared spreadsheet
  - Maintained communication with other subteams within this organization for logistics
- **Gael Force Build** — Dublin, CA
  Programming Tutor — *Aug. 2018 - May 2019*
  - Guided students enrolled in various Project Lead the Way Computer Science classes through their homework assignments and projects
  - Provided resources and one-on-one mentorship for students looking to learn programming

PROJECTS

- **Lavatory Logger:**
  - Collaborated with a multidisciplinary team to build a device that helps school administration narrow down bathroom vandalizers
  - Wrote a script in Python that utilized the SimpleCV, datetime, and requests libraries to gather and send the ID number, date, time, and building number to a JavaScript program for processing
  - Developed a website that accepts the processed data and and formats it into a table which the school administration can use to determine who used the bathroom when vandalism occurred
  - Earned a spot at Dublin High School's annual entrepreneurship showcase
- **Bakery:**
  - Worked with a partner to build a Python based tool tailored towards bakery owners who would like to apply their branding as an overlay, frame, or silhouette to images for advertisements
  - Utilized the PIL image manipulation library

SKILLS

<u>Programming Languages:</u> Java, C++, Python, HTML, CSS, Javascript
<u>Technologies:</u> React.js, Node.js, Express.js
<u>Databases:</u> NoSQL
<u>Operating Systems:</u> macOS, Linux