Ojas Patel

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EDUCATION

The University of Texas at Austin, Austin, TX   Fall 2017 – Fall 2020 (Projected)
Bachelor of Science in Computer Science
Fall 2017 GPA: 4.0

EXPERIENCE

Cisco, Allentown, PA
STEM High School Summer Job Shadow Program   July 2016
- Learned about GUI design and graphing functions through developing a photodiode model in Python that took user input to generate a graph showing the relationship between the internal voltage to the current of the diode.
- Gained an understanding of the relationship between electrical engineering and computer science by shadowing IEEE fellow Dr. Kumar Lakshmikumar.

PROJECTS

Raspberry Pi:
- Developed an understanding of the relationship between hardware and software by creating an LED clock using the Raspberry Pi board, an LED display, and Python.
- Examined basic automation by constructing a semiautonomous R/C car that would move according to user input from a keyboard and used motion sensors to ensure it would not collide with walls or other objects.

ACTIVITIES

- **Robotics and Automation Society**
  - Developing the algorithm for a robot competing in the IEEE 2018 Robotics Competition
- **Convergent**
  - Designed a collaborative filtering web application for Yelp using Python and the Yelp Dataset
  - Pitched my startup idea, FRESHchef, at the UT Fish Bowl, placing 2nd in my room
- **Hindu Student Association**

TECHNICAL SKILLS

Languages: Proficient in Java and Python
Exposure C++, HTML, CSS, JavaScript, and SQL
Currently taking courses on web and Android development and Machine Learning

COMMUNITY INLVOLVEMENT

Gained leadership experience through various youth leadership roles during events organized by the Spandna foundation and Kite flying festival of Allentown as well as annual International retreats of All World Gayatri Pariwar.