

Ojas Patel

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EDUCATION

The University of Texas at Austin, Austin, TX

Projected Graduation: Fall 2020

Bachelor of Science in Computer Science with expected minor in Communications

EXPERIENCE

Cisco Systems, 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.

Amazon Echo Dot:

- Working on a quiz game in order to further explore open source software and understand AI and new technologies better

ACTIVITIES

- **Robotics and Automation Society**
 - Developing the algorithm for a robot competing in the IEEE 2018 Robotics Competition
- **Convergent**
 - Designing a collaborative filtering web application for Yelp using Python
 - Pitched my startup idea, FRESHchef, at the UT Fish Bowl, placing 2nd in my room
- **Electronic Game Developers Society**
 - Created a trash simulation game with Unity for a Game Jam competition

TECHNICAL SKILLS

Languages: Proficient in Java (planning to take Data Structures in the spring semester)

Exposure to Python, C++, HTML, CSS, JavaScript, and SQL

Currently taking courses on web development, android development, and Python

COMMUNITY INVOLVEMENT

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.