

# Ojas Patel

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## EDUCATION

The University of Texas at Austin, Austin, TX  
Bachelor of Science in Computer Science

Projected Graduation: Spring 2021

## 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.

## UT Activities

- Robotics and Automation Society – Developing the algorithm for a robot competing in the IEEE 2018 Robotics Competition
- Convergent – Designing a chrome extension to provide user recommendations through Yelp
- Hindu Student Association
- Electronic Game Developers Society – Created a game with Unity for a Game Jam competition

## Technical Skills

**Languages:** Proficient in Java (planning on taking Data Structures in the spring semester)

Exposure to Python and C++

Exposure to HTML, CSS, and JavaScript while taking web development classes

**Additional Software:** Proficient in Autodesk CAD and MultiSim Circuit Design software

**Additional Coursework:** Understanding of Linear Algebra from Lehigh University

## 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.