

# Krutik Shah

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## Work Experience

### Remote Internship – Keysight Technologies/ECEDHA

05/2021 – 11/2021

- Produce series of instructional videos on how to use Keysight's electronic test equipment.
- Contacting educational clients in Michigan to schedule virtual meetings with Keysight's engineers.
- Developing quizzes to market Keysight's equipment to industry professionals.

### Developer – Rowan ECE Web Dev Team

12/2021 – Present

- Maintaining Ubuntu cloud server that hosts the website
- Managing PostgreSQL database
- Developing website with PyCharm, making updates with user suggestions

### Assistant Manager – Rowan ECE Resource Center

09/2019 – Present

- Inventory of ECE resources, and servicing students and staff with these resources.
- Stocking the ECE labs and maintaining ECE lab equipment and resources.
- Utilizing Django backend administration for inventory system
- General management, training of the Resource Center staff.

### Assistant Manager – Rowan ECE Fabrication Center

09/2020 – Present

- Handling 3D print requests from students and staff
- Maintaining and operating 3D printers
- Servicing a farm of 3D printers with Octoprint.
- Handling firmware and physical hardware upgrades.

### Summer Computer Repair Technician – HCRHS

06/2018 – 09/2019

- Imaging of Windows 10 computers.
- Manual installation/replacement of projectors.
- Wiring HDMI and ethernet through ceilings.
- Setting up audio and visual equipment in classrooms.
- Mass Chromebook enrollment on school domain.
- Assisting teachers and staff with technical difficulties.
- General troubleshooting of electronic and technical equipment.

## Education

Bachelor of Science, Electrical & Computer Engineering  
Rowan University, Glassboro, NJ

Expected 05/2023

- Current GPA: 3.63
- Organizations: Robotics & Automation Society (RAS)

## Skills

### Software

- C++, HTML/CSS
- Database Management (PostgreSQL)
- Circuit Simulation with LTSpice, Tina-TI
- Video Production with Adobe Premiere Pro

### Hardware

- 3D Printers
- Soldering with manual & semi-auto pick & place, hand soldering
- CAD Design with Autodesk Inventor, SolidWorks
- PCB design with Altium Designer

## Activities

### FIRST Robotics Competition, Team 3637

11/2015 – 06/2019

- Mechanical and electrical team member; assisted in designing, assembling, & wiring robot
- Head of IT for 2 years, where I oversaw the team communications, managed team servers and inventoried electrical assets.
- Involved in several outreach opportunities, spreading the message of STEM.