

Shail Patel

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Education

- **Rensselaer Polytechnic Institute, (RPI)**
B.S. Computer Science, B.S. Cognitive Science

May 2021
GPA 3.5/4.0

Core Technical Skills

Languages: C, C++, C#, PHP, Python, Haskell, Java, JavaScript, HTML, CSS, R

Software & Tools: git, Unity3D, Laravel, RStudio, L^AT_EX

Courses: Intro to Algorithms, Data Structures, Computability & Logic, Principles of Software, Operating Systems, Computer Communication Networks, Open Source Software, Computer Vision, Programming for Cognitive Science & AI

Work Experience

- **Lockheed Martin Rotary & Mission Systems**

Software Engineering

July 2020 – December 2020

- Systems & embedded development in C++
- Software engineering in an agile workflow

- **Submittly**

Open Source Software Developer

submittly.org

Spring 2018 – current

- Full stack development in a Linux, Apache, PostgreSQL, and PHP/python tech stack
- Implemented a QR code scanner to detect student IDs and separate batches of student exams automatically, saving hours of manual data entry from instructors
- Designed and developed a system to detect and scan handwritten student ID numbers on exams through computer vision and an OCR model
- Google Summer of Code 2019-20 summer mentor
- Continuous integration and deployment using unit & end to end testing

- **Cisco Systems**

Technical Consulting Engineer

January 2020 – June 2020

- Computer networking focusing on troubleshooting customer gear and networks
 - Racked, installed, and setup Cisco devices to build network recreate
 - Co-Managed a project to automate detection of common issues in Cisco WebEx by leading and teaching a group of new developers in python and automation tools.
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Publications

- A Graphical System For Logical Reasoning Using Existential Graphs

Shail Patel, Bram van Heuveln

RPI Cognitive Science Dept.

- Facilitating Discussion-Based Grading and Private Channels via an Integrated Forum

Andrew Aikens, Gagan Kumar, Shail Patel, Evan Maicus, Matthew Peveler, and Barbara Cutler

SIGCSE 2019

Awards and Honors

- Rensselaer Medalist
100,000 dollar scholarship recognizing math and science excellence

Spring 2016

- Cisco Certified Networking Associate (CCNA)
Demonstrated knowledge and skills related to network fundamentals

May 2020 – May 2023