Shail Patel

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Education **Rensselaer Polytechnic Institute** (RPI), Troy NY May 2021

B.S: Computer Science, Cognitive Science GPA 3.60/4.0

**Clinton High School** (CHS), Clinton MA May 2017

GPA 4.05/4.0

Experience & Selected Projects

**Submitty** ([submitty.org](http://submitty.org/)) - A Rensselaer Center for Open Source (RCOS) project (Spring 2018)

Open source programming assignment submission system used by RPI

* Contributed to a large, open source codebase
* Debugged and developed new features within a Linux environment
* Front end web development using PHP, HTML, Javascript
* Back end web development with postgreSQL

**Visual Logic** ([shailpatels.me/vl\_web/vlDemo](http://shailpatels.me/vl_web/vlDemo.html)) (Spring 2018)

Independent study to create software that can visualize formal logic expressions

* Worked with a professor to design and implement features
* Built a development environment for unit and integration testing
* Designed to be used as an education tool in classes with over 400 students

**Computer Programming Instructor** (CHS)(Summer 2014 - 2017)

Taught an Introductory to computer programming with Java course

* Developed curriculum and communicated with parents
* Motivated middle and high school students to pursue computer science

Related Courses & Clubs

**Data Structures** (Fall 2017)

* Created multiple programming projects through homework and lab assignments
* Debugged and documented projects

**Minds & Machines**  (Fall 2017)

* Programmed a robot to navigate an environment and make logical decisions using C.

**Intro to Cognitive Science**  (Spring 2018)

* Developed vision processing system for object recognition, eye tracking

Leadership Roles

**National Honor Society President**,(CHS)(2016-2017)

**First Robotics Competition (FRC) programming lead**, (CHS)(2014-2017)

Skills Proficient in: C++, C#, Javascript, HTML/CSS, PHP

Software Microsoft Office, Unity

Honors & Awards

* Hack Tech Valley 2018 Finalist
* Rensselaer Medalist
* FRC Dean’s List finalist