

Meet S. Patel

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PROFILE

Third year business focused Software Engineer looking to be an asset to a team in a **full time internship / co-op position during the spring and/or summer of 2019**. Skills includes:

- ✓ Back-end: Java, Python, C, JavaScript, and Ruby
- ✓ Front-end: HTML, CSS, Ajax, JQuery, and Bootstrap
- ✓ Statistical / database analysis using SQL
- ✓ Refactoring to scalable design patterns
- ✓ Large scale enterprise system design
- ✓ Unit testing with high code coverage
- ✓ Agile / Scrum methodology
- ✓ Design and process documentation

EDUCATION

B.S. Software Engineering | Rochester Institute of Technology

Minor in Business Administration | 3.40 / 4.00 GPA | 3rd Year

PROFESSIONAL EXPERIENCE

Aviation Safety Data Analyst Intern | Sikorsky Aircraft- Lockheed Martin | June 2018 – August 2018

- Lead a project to revamp the department website.
 - Met face to face and with Skype with stakeholders to develop a requirements list.
 - Used SharePoint designer to create an organized interface and a professional user experience.
- Developed a data collection and management software to optimize ease of use and data quality.
 - Automated the importing of historical data to make the process 5x more efficient.
 - Presented data in interactive graphs using SQL and Tableau to drive business decisions.
- Participated in an intern competition in a team of 5 to design and build a power generating wind turbine.

Teaching Assistant | College of Computing and Information Sciences, RIT | January 2018 - May 2018

- Administered a 40 student section consisting of 2nd to 4th year students of Mathematical Models of Software.
- Developed scripts to automate grading software labs and projects.

Webmaster | RIT Lambda Phi Epsilon | April 2018 - Present

- Responsible for creating the chapter website that fulfills client requirements and adheres to RIT's standards.
- Constructed the site to be well documented to make it easy to maintain for future developers.
- Tools: HTML, CSS, JavaScript, JQuery, WordPress, Slack, Trello

Director of Programming | RIT OASIS | January 2018 – Present

- Volunteered in a team of 8 to coordinate large scale cultural events in the Rochester area with over 200 attendees
- Used effective fundraising, marketing, and recruitment techniques to expand the club every semester

RELEVANT PROJECT EXPERIENCE

Web App Fuzzer | September 2018 - October 2018

- Solo project to create an exploratory tool used to find vulnerabilities in a web app by scanning its attack surface.
- Created a web crawler to the web app to find all potential inputs and cookies.
- Then tests the inputs to locate points of weak sanitization, sensitive data leaks, delayed responses, and invalid HTML response codes, using OWASP Fuzz Vectors.
- **Tools:** Python, Requests, Mechanical Soup libraries

Airline Flight Reservation Server | January 2018 - April 2018

- Delivered 2 releases in a team of 4 of a database driven system to allow users to manage itineraries and flight info.
- Features include live airport info, concurrent clients, and undo/ redo functionality, and a GUI.
- Designed the system to be flexible to future requirements with effective use of object oriented design patterns.
- **Tools:** Java, SOAP / RESTful API, Git, MS Project, UML, Gang of 4 and CRC cards

Web Checkers | January 2018 - April 2018

- A web app created through 5 sprints that allows users to play a games of checkers remotely.
- Functionality includes tournament play, concurrent games, and spectator mode.
- Tested using the JUnit test suite with each release getting at least 95% code coverage.
- **Tools:** Java, Git, UML Class and Sequence Diagrams, State Diagrams, Spark, Apache Maven, Slack