

Meet S. Patel

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PROFILE

Tenacious and self driven software engineer looking to be an asset to a team in a full time co-op position during summer or fall of 2018. Interests include object oriented programming, machine learning, and subsystem design. Expertise covers:

- ✓ Scalable object oriented architecture
- ✓ Refactoring to more scalable design patterns
- ✓ Unit testing with high code coverage
- ✓ Agile / Scrum methodology
- ✓ Design and process documentation
- ✓ Repository Management and Workflow

EDUCATION

BS in Software Engineering | Rochester Institute of Technology

Minor in Mobile Dev. | 3.37/4.00 GPA | 3rd Year

RELEVANT EXPERIENCE

Airline Flight Reservation Server | Fall 2018

- Worked in a team of 4 to deliver 2 releases of a system that allows users to access/ manage itineraries and flight info.
- Features include live airport info, concurrent clients, and undo/ redo functionality.
- Designed the system to be scalable and flexible to future changes with effective use of object oriented design patterns.
- Tools: Java, SOAP / RESTful API, MVC, UML Class and sequence diagrams, Gang of 4 and CRC cards, Git

WebCheckers | Spring 2017

- A web app created in a team of 3 students working through 5 sprints to allow users to play checkers remotely.
- Functionality includes tournament play, concurrent games, and spectator mode.
- Tested using the JUnit framework with each release getting at least 95% code coverage.
- Tools: Agile / Scrum, UML, Java, JUnit, Git Repositories, Slack, Javascript, Apache Maven

PathBuilder | Fall 2017

- Built a system designed to win in a competition against other student built AIs.
- Worked with a partner to develop a Java algorithm using binary trees and variations of Dijkstra's algorithms to create an AI that will make strategic moves to win a game of PathBuilder.
- Tools: Java, JavaFx, MVC, Slack, Git Repositories

Home Price Index | Fall 2017

- Solo project that was done to gather and analyze data from several large Home Price Index databases with the goal of locating trends and volatilities in the housing market, generating and graphing annual and quarterly insights.
- Tools: Python, NumPy and Matplotlib libraries

PROFESSIONAL EXPERIENCE

Director of Programming | RIT OASIS

January 2016 - Present

- Volunteered in a team of 8 to coordinate large scale cultural events in the Rochester area with over 200 attendees.
- Expanded the club every semester by increasing club funding, number of attendees and recruitment.

Teaching Assistant | College of Computing and Information Sciences, RIT

January 2018 - Present

- Administered a 40- student section of Mathematical Models of Software, which consisted of 2nd to 4th year students.
- Used scripts to grade coding labs, projects, and exams.

Manager | Fm. Cards and Gifts Inc.

June 2014 - Present

- Influenced administrative decisions, trained, and scheduled new employees.
- Ran company social media page and communicated features of merchandise to customers.
- Managed day to day operations to promote a safe shopping environment, maximizing customer satisfaction.