

# Raj Patel

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## EDUCATION

UNIVERSITY OF UTAH | Salt Lake City, UT

Expected May 2020

**Master of Computer Engineering** | GPA: 3.5

Relevant Coursework:

- Software Practice I & II
- Computer Systems
- Machine Learning
- Computer Organization
- Computer Networks
- Algorithms

## EXPERIENCE

INSTRUCTURE | Cottonwood Heights, UT

Summer 2018

**Software Engineer in Test Intern**

- Conducted weekly regression testing to insure quality of the product.
- Designed and implemented automated user workflows for front-end testing.
  - Maximized test coverage while minimizing run time.
- Implemented back-end API testing.

SURVEY SAMPLING INTERNATIONAL | Lehi, UT

May 2017 – May 2018

**Software Engineering Intern**

- Created an Elastic Stack cluster for centralizing and searching logs of multiple applications.
- Developed Linux version of an Object Telephony System (OTS) controller in a team using REST API architecture. (Node.js)
- Unit tested the OTS Controller using Chai and Mocha frameworks.

UTAH NANOFAB | University of Utah, Salt Lake City, UT

May 2016 – May 2017

**Software Assistant/IT**

- Developed front- and back-end of a time clock website. (Node.js)
  - Included automated emailing of time log reports.
- Redesigned front-end of website which showed real-time updates of current active users in clean-room lab.
- Built a custom Ubuntu installation disk equipped with custom desktop theme, restricted access user, and applications that comply with clean-room lab protocols.
- Created a Chef server to monitor and automate updates for multiple computers.

## SKILLS

- |              |             |            |        |           |
|--------------|-------------|------------|--------|-----------|
| - JavaScript | - jQuery    | - Chai.js  | - Bash | - C#      |
| - HTML       | - Node.js   | - Mocha    | - Git  | - Verilog |
| - CSS        | - Socket.io | - Assembly | - C    | - Linux   |
| - AngularJS  | - Swagger   | - Python   | - C++  | - Unix    |
| - Ruby       | - Rspec     | - Latex    |        |           |

## PROJECTS

UNITY X WEBSITE

Dec. 2017 – Current

- An experimental side project which is being developed by a team to learn various techniques of developing web applications.

KM FASTENERS WEBSITE

Dec. 2016 – July 2017

- Designed and created a dynamic website for a manufacturing business.
  - Used Node.js for back-end.
- Implemented an administrator login page with SSL protocol.