# 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++
- Ruby           - Rspec         - Latex                      - Unix

## 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.