

# Elizabeth Wong

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## EDUCATION

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**San Jose State University, San Jose, CA**

Expected Graduation Date: Fall 2019

*Bachelor of Science – Computer Science*

- Current GPA: 3.24
- Relevant Courses: *Object Oriented Design, Data Structures and Algorithms, Introduction to Machine Learning with Applications in Information Security, Operating Systems, Network Management*

## WORK EXPERIENCE

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**San Jose State Information Tech Services – Student Assistant**

MARCH 2018 – PRESENT

- Administered imaging of new computers, helping support over 1,000 different devices for faculty in the college
- Exercised skills to troubleshoot technical software and hardware problems for Apple and PC computers
- Helped create comprehensible user guides for applications and operating systems for non-technical users

**NSI Laser – Project Intern**

DECEMBER 2018 – JANUARY 2019

- Reviewed and analyzed the GUI model used for the company's laser micromachining product
- Provided additional support for the team's engineers while working on scripts for compensation algorithms
- Exercised abilities in the Adobe Cloud with working knowledge of the machines to promote laser products

## PROJECTS

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**Machine Learning– Implementation of Techniques**

- With a group of two others, applied an understanding of algorithms to construct a program performing Hidden Markov Models, Random Forests, and Support Vector Machine techniques for data analysis.
- Starting off with a data set of thousands of malware and benign executables, we were able to train our models based on opcode sequences. By implementing specific libraries, the SVM technique was able to predict a given test set of malware and benign sample scores with a 100% accuracy using as little as 12 opcode features.
- Skills Demonstrated: Python, C, Numpy, TensorFlow, Scikit-Learn

**Web Application– Burger Builder**

- Created a web application that dynamically takes user input to add and remove ingredients, displaying the price as well as CSS styled images of the burger, allowing for customizable burger orders.
- The application also had navigational features for the page, such as a toolbar, responsive side drawer, and order summary button.
- Skills Demonstrated: ReactJS, Hooks, Redux, React Routing, CSS, HTML

**Object Oriented Design – Hotel Reservation System**

- Created a GUI model based on the MVC pattern that allowed people to login as different users either categorized as a Guest or Manager with options to view, cancel, or make reservations.
- As a follow up, also wrote scripts and queries to create and use a database for in the program
- Skills Demonstrated: Java, Object-Oriented Design, MySQL, JDBM

## SKILLS

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|------------------------|--------------------------|-----------|
| • Customer Service     | • Object Oriented Design | • Python  |
| • Adobe Creative Cloud | • Data Analysis          | • ReactJS |
| • Microsoft Office     | • C                      | • Linux   |
| • C++                  | • JAVA                   | • CSS     |
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