

# Randy Lam

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## WORK EXPERIENCE

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### Turing Video

Oct. 2020 – April 2022

*Python Developer/Analyst*

*San Jose, CA*

- Utilized Jupyter Notebook with Python/Pandas to clean and organize over 2000+ lines of data for key accounts.
- Illustrated findings with data visualization tools which validated the stability and accuracy for Turing products.
- Prepared detailed reports for business managers to provide overviews and evaluations of ongoing projects.
- Provided on-site technical assistance for Sales Engineers in the POC stage of sales agreements.

*Software Support Engineer*

*San Mateo, CA*

- Managed and regulated over 3000 Turing devices with scripts and manual QA duties.
- Developed Ansible and VBA scripts for batch production which increased production efficiency.
- Created and tested SOPs for production/quality control for company employees and third party vendors.
- Replicated customer issues for troubleshooting and ensuring quality assurance.
- Operated Jira and Confluence to resolve tickets for internal issues.

### TicketDM

Oct. 2019 – Dec 2019

*Software Engineer Intern*

*Palo Alto, CA*

- Utilized Android Studio, Java, and XML to develop user friendly features and designs.
- Attended weekly meetings with a small team to discuss bugs, tasks, and incoming tickets.
- Created features as a drop down menu or an active loading screen for better user experience.
- Used Github to handle new features through branching and merging.

## PROJECTS

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### Password Breach Validator

- Developed a working tool to validate the 'strength' of a password by checking how many times it was leaked.
- Used Python's request and hashlib library to pull data from pwnedpasswords's API.
- Partitioned data from the inputted hashed SHA1 keys to retrieve desired results.

### Dou Shou Qi, 'The Jungle Game'

- Utilized C++ with OpenGL to replicate Dou Shou Qi in 36 hours for Hackmerced.
- Cooperated with a small team and delegated responsibilities to handle logic or graphics.
- Worked on logic by having a hierarchy of 'chess' pieces where some pieces have priority over others.

## EDUCATION

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University of California, Merced

May, 2019

*Bachelors in Computer Science & Engineering*

*Merced, CA*

## SKILLS

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Python/Panda; SQL; PostgreSQL; Linux; Confluence; Jira; Jupyter Notebook; Documentation; Troubleshooting; Ticketing; Unit Testing; Communication.

## COURSEWORK

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Algorithm Design and Analysis, Data Structures, Object Oriented Programming, Operating Systems, Computer Networks, Image Processing, Computer Vision, Artificial Intelligence, SQL Fundamentals.