

Richard Le

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Education

San Jose State University | Class of 2020
Bachelor of Science in Computer Engineering

Experience

Symantec – Software Engineering Intern

May 2019 – Nov 2019

Python, CloudWatch, S3, SES, Lambda

- Worked with 2 interns and project manager to build an automated backend infrastructure by using several AWS services (CloudWatch, Lambda, S3, SES, SQS).
- Contributed to the base design, deployment, and testing of project.
- Designed and developed core infrastructure with RESTful APIs using JSON data.
- Created YAML configurations to allow for continuous integration and delivery.
- Developed a multi-process pipeline that reduced data retrieval time by 400%.

Projects

Software Development Portfolio

richardle17.github.io

HTML, JavaScript

- For more information about me or my other projects, check out my online portfolio.

Covid-19 Data Trackers & Data Visualizers

git.io/JUf4C

Python, Dash Plotly, Pyecharts

- Utilized COVID-19 datasets to create data visualization maps and graphs.

Covid-19 Slack Bot

git.io/JUf4n

Python, Slack API, Big Data

- Slack bot designed with data from Worldometers / JHU for accurate COVID-19 stats.

TCG Market Web Scraper

git.io/JUC3Z

Python, Automation, Selenium WebDriver, WikiMedia API

- Developed scripts that automate scraping of market prices for hundreds of webpages.
- Designed scalable, intuitive data formats that aggregate data.

Air Quality Notification Bot

git.io/JUf4l

Python, Slack API, Breezometer API, Twilio API

- Slack bot for air quality index data via Breezometer API. Posts updates to slack channels
- Twilio SMS alerts integrated for critical AQI notifications.

Cryptocurrency Tracker Bot

git.io/JUf48

Python, Slack API, CoinMarketCap API

- Slack bot to track cryptocurrency prices and posts data to configured slack channels.

Skills

Languages: Python (Proficient), C (Experienced), Java (Experienced)

Technologies: Amazon Web Services (AWS), CloudWatch, Lambda, S3, SES, SQS, SNS, Git, RESTful API

Coursework: Data Structures & Algorithms, Object Oriented Programming, Quality Assurance
Software Engineering, Operating Systems

Key Interests: Python, Automation, Scripting, Data parsing, Big Data, AWS, Rare Collectibles