

# Winson Luk

---

---

## Education

Jun 2020 **University of California, San Diego**  
(Expected) Bachelor of Science in Computer Engineering

San Diego, CA

---

## Experience

Jun – Sep 2019 **LinkedIn** ..... Sunnyvale, CA  
*Software Engineering Intern*

- o Built a realtime data streaming pipeline with Apache Kafka and Apache Samza with Apache Beam in Java.
- o Responsible for determining qualified job applicants and delivering instant notifications to recruiters globally.
- o Developed a distributed and asynchronous Samza backend to process an estimated 10k job applications/hour.

2018 – 2019 **Apple** ..... Cupertino, CA  
*Software Engineering Intern*

- o Completed a 1-year internship to launch an internal engineering validation statistical analysis website.
- o Developed a scalable system utilizing Python, Flask, Pandas, Redis, Memcached, S3, and various internal APIs.
- o Bolstered the system with automated backups, security reviews, extensive documentation, and health monitoring.
- o Deployed the website to support various hardware projects throughout Apple.

Jun – Sep 2017 **Synopsys** ..... Mountain View, CA  
*Software Engineering Intern*

- o Developed software in Python to automate ticket management for the global IT operations of a S&P 500 company.
- o Overhauled the existing automation system with an object-oriented approach that reduces API calls by 70%.

2013 – 2016 **Carlmont Technology Club** ..... Belmont, CA  
*Founder and President*

- o Founded a student-run technology organization that competed annually in the San Jose Tech Challenge.
- o Supervised engineering operations of 30 students in 10 teams over 3 years, securing a total of 4 regional awards.

---

## Awards

Oct 2016 **San Diego Hacks 2016**  
*Winner, Twitch Moderation Challenge*

Aug 2014 **United States Congressional App Challenge**  
*1st Place, California's 14th Congressional District*

---

## Projects

2014 – 2019 **More ongoing projects at [winsonluk.com](http://winsonluk.com) and [github.com/winsonluk](https://github.com/winsonluk).**

**Alizon (Python)**, Google Chrome extension that identifies identical Amazon products with lower prices on AliExpress.  
**Dotino (JavaScript, Python)**, Web application that identifies local businesses which are highly recommended on social media.  
**Reffit (Python)**, Automated natural language product marketer that intelligently targets Reddit users.  
**R.o.b.o.t (Python)**, Conversational Twitch chatbot powered by realtime Reddit interactions.

---

## Skills

### Languages

- o Java 8
- o JavaScript
- o Python

### Data

- o Apache Kafka/Samza
- o PostgreSQL
- o Redis

### Tools

- o Amazon Web Services
- o Linux: Git, bash, vim
- o Java: Spring, JUnit, Gradle

Redwood City – California – United States

📞 650 302 3189 • ✉ [wluk@ucsd.edu](mailto:wluk@ucsd.edu) • 🌐 [www.winsonluk.com](http://www.winsonluk.com)  
🔗 [github.com/winsonluk](https://github.com/winsonluk) • in [linkedin.com/in/wluk](https://www.linkedin.com/in/wluk)