Winson Luk

EDUCATION

Expected 2020 — **University of California, San Diego** — San Diego, CA
Bachelor of Science in Computer Engineering
Provost's Honors; ACT: 35

EXPERIENCE

Jun - Sep 2017 — **Synopsys** — Mountain View, CA
Technical Intern, Software Development
- Developed in Python and Perl to automate ticket creation for the global IT operations of a S&P 500 company.
- Overhauled the existing automation system with an object-oriented approach that reduces API calls by 70%.

Aug 2017 — **Capital One Labs** — Washington, D.C.
Software Engineering Summit Contributor
- Invited to a selective Washington, D.C. summit to build complex software applications with professional engineers.

2015 – 2016 — **Gigamind Explorer** — San Mateo, CA
Junior Content Designer
- Produced a full-length mathematics workbook from concept to completion with Adobe InDesign and Illustrator.

2013 – 2016 — **Carlmont Technology Club** — Belmont, CA
Founder and President
- Founded a technology organization that competes annually in the San Jose Tech Challenge, coordinating the engineering operations of more than 30 students in 10 teams, and winning a total of 4 regional awards.

AWARDS

Oct 2016 — **SD Hacks 2016** — R.o.b.o.t
Winner, Twitch Moderation Challenge

Aug 2014 — **Congressional App Challenge** — Smart Loan
1st Place, California's 14th Congressional District

PROJECTS (Available at winsonluk.com/#projects and github.com/winsonluk)

Sep 2017 — **Dotino.com** — Python, JavaScript, AWS
Web application that identifies local businesses which are highly recommended on social media
- Identified and categorized popular local businesses with Google BigQuery and SQL, then built a web app on AWS that displays results searchable by city and provides updated business information via Yelp.

Sep 2016 — **Reffit** — Python, NumPy, SQLite, Travis CI
Automated natural language product marketer that intelligently targets Reddit users
- Implemented live data mining of over 10,000 Reddit comments/hour to generate instant intelligent natural language recommendations, complete with a comprehensive unit test suite integrated with Github and Travis CI.

2014 – 2016 — **Other Projects**

R.o.b.o.t (Python), *Artificially intelligent Twitch chatbot powered by real-time Reddit conversations.*
Smile Wide (JavaScript), *Featured Chrome Extension that converts Amazon URLs into Amazon Smile (charity) links.*
Smart Loan (Android), *Financial calculator that implements datasets from the U.S. Census and Georgetown University.*
Connect Four (Java), *Connect Four virtual board game with photorealistic rendering, built with Java and Swing.*
Alizon (Python), *Chrome Extension that identifies identical Amazon products with lower prices on AliExpress.*
winsonluk.com (HTML), *A modern website and blog developed as a personal portfolio of my experience and projects.*

San Mateo – California – United States

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