

Winson Luk

EDUCATION

Expected 2020 **University of California, San Diego** San Diego, CA
Bachelor of Science in Computer Engineering
GPA: 3.5; ACT: 35; Provost's Honors

EXPERIENCE

Jun - Sep 2017 **Synopsys, Inc.** Mountain View, CA
Technical Intern, Engineering and Infrastructure Applications

- o Architected a Perl CLI that automates ticket creation 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%.

Aug 2017 **Capital One Labs** Washington, D.C.
Software Engineering Summit Contributor

- o Invited to selective (31/600+) D.C. summit to build financial software applications with AI, ML, IOT, and AWS.

2015 - 2016 **Gigamind Explorer** San Mateo, CA
Junior Content Designer

- o 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

- o 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** Reddit Observation Bot on Twitch (R.o.b.o.t)
1st Place, Twitch Moderation Challenge

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

PROJECTS (Available at winsonluk.com/#projects)

Sep 2017 **Dotino.com** **d3.js, jQuery, SQL, Flask, AWS (S3, ACM, CF, R53, SES, Lambda, EB, EC2)**
Web application that identifies local businesses which are highly recommended on social media

- o 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, Pandas, BeautifulSoup, OAuth, SQLite, Travis CI**
Automated natural language product marketer that intelligently targets Reddit users

- o 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 minimalistic Bootstrap-style website and blog developed from scratch with vanilla Javascript.

San Mateo - California - United States

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