

# Cedric Tong

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## Education

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### **Bachelor of Science, Computer Science**

**September 2013 – May 2018**

California State University, Los Angeles – Los Angeles, CA

### **Coursework:**

Introduction to Data Science, Data Structures and Algorithms, Parallel Programming, Relational Databases & SQL, Software Engineering, Web and Internet Programming

## Experience

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### **Supplemental Instruction Leader**

**June 2017 – August 2017**

**College of Engineering, Computer Science and Technology (ECST)** – Los Angeles, CA

- Taught College Algebra and Trigonometry during a summer transition program to incoming freshmen in the College of ECST
- Used techniques such as collaborative work study, peer to peer workshops, and repetition to reinforce retention of the material at hand
- Designed, administered, and graded weekly quizzes and daily worksheets to track students' progress

## Skill Highlights

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**Languages:** Python, Java, C, JavaScript, HTML, SQL

**Technologies:** Git, Microsoft Office, Linux, Node.js

## Selected Projects

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### **LA County Hall of Administration:**

**August 2017 – Current**

Senior Design Project

- Leading backend development on a six-person team to create an interactive directory for LA County Hall of Administration
- Assisting with development of an interactive smart board in C# that assists the public to locate services within the building using a pathfinding system built with Unity
- Developing an Amazon Alexa Skill in Python to provide a simple and modern searching experience using voice to locate services and personnel within the building

### **Spot the Social Bot:**

**October 2017**

TwitchCon Hackathon 2017

- Backend software development on a two-person team to create a bot that interacted with Twitch Chat using their API and Internet Relay Chat (IRC) in Python
- Integrated social aspects of streaming into one package that includes Twitter, Spotify and a built-in polling system
- Utilized Microsoft Cognitive Services API to provide sentiment analysis by capturing the facial emotion of the streamer and text from Twitch

### **Learning with Alexa:**

**October 2016**

Citrus Hack 2016 – Best Voice User Experience

- Backend software development and debugging on a four-person team to create an interactive trivia game in JavaScript
- Integrated Alexa Skills Kit and Firebase APIs to seamlessly pull questions from the database to display them on the website
- Five true or false questions per game selected from a pool of over thirty can display on a website or be heard through the Amazon Echo