Alex Zhao

408-571-8776 ZHAOALEX@G.UCLA.EDU GITHUB.COM/ZHAOALEX 310 DE NEVE DR.
PHONE **EMAIL** **GITHUB** RIEBER HALL 232
LOS ANGELES, CA 90095
ADDRESS

EDUCATION

University of California, Los Angeles   August 2017 - June 2021 (expected)
- Intended B.S. in Computer Science & Engineering
- Current GPA: 4.00/4.00

Lynbrook High School   August 2013 - June 2017
- Unweighted GPA: 4.00/4.00
- ACT: 36; SAT: 1590/1600
- Relevant coursework: AP Statistics, AP Physics C: Mechanics, AP Calculus BC, AP Computer Science

PROJECTS

UCSD COSMOS 2015 Research Project   July 2015
- Led a small group in creating a Python program that generates harmony for a given melody
- Developed an algorithm using music theory knowledge to generate chord sequences
- Received Best Project Award and the title of Gordon Fellow at UCSD

AP Statistics Final Project   May 2016
- Examined the use of clickbait in Buzzfeed headlines using statistical analysis
- Scraped web for Buzzfeed and NBC headlines to find similarities and differences in word choice
- Developed an algorithm and created a Java program using regular expressions to find frequencies of words and phrases of given lengths for use in analysis

Android App: Perfect Pitch at **HSHacks2**   February 2015
- Created an Android app that allows people to sharpen their hearing through a simple game
- Used knowledge of sound waves and pulse code modulation to create pitches at different frequencies for the player to guess

Freelance Work: XPBuy   February 2013
- Created a large-scale plugin for popular game Minecraft using server API knowledge
- Commissioned by server owners to develop and maintain a complex kit creation and deployment system
- Was deployed as a vital component in a multiplayer server with over 500 unique members

EXPERIENCE & LEADERSHIP

Intern at **WAlert**   July 2016
- Discovered, reported, and fixed numerous bugs in pre-production home alarm system
- Overhauled website, packaging, and user guides for better consistency and readability

Officer Intern and **Activities Committee Member** in **Lynbrook Red Cross Club**   August 2015 - June 2017
- Organized and coordinated volunteer events monthly for the 300-person club
- Scouted potential volunteer opportunities and corresponded with several community members regarding logistics of volunteer events
- Created and maintained Powerpoint slides and Excel spreadsheets as an officer intern

Clarinetist and **Clarinet Section Leader** in **Lynbrook Marching Band**   August 2013 - November 2017
- Performed as part of regional-champion marching band, learning and applying teamwork and communication
- Guided and educated a group of 15 underclassmen to improve their musical abilities
- Planned and budgeted finances for annual marching band sleepover event

SKILLS

- 6+ years of experience with Java; fluent in Python, C, C++; basic knowledge of HTML, PHP, JavaScript, CSS, Git
- Experience with Android app development
- Fluent in English and Chinese; basic Spanish speaking, reading, and writing skills
- Other interests: Hackathons, piano, clarinet