



> Barry Lee

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Objective

To secure a challenging and fulfilling position in a prestigious organization to utilize my technological, efficient problem solving, and networking skills in organizational development, and to grow professionally with any opportunities provided.

Work Experience

[Assistant Director & Event Manager, UB Student Association; May 2016 to January 2018](#)

Planned and executed multiple concerts per year. Assembled together hundreds of community vendors, restaurants, and breweries and organized Spirit Week, the Annual Homecoming Carnival, Comedy Series (Trevor Noah), Buffalo Untapped, and many more. Highly specialized in crowd control (certified), strenuous situations, team building, flexibility, and on-the-spot decision making.

[UB Circle K President, Vice President, and Lt. Governor; April 2014 to May 2017](#)

Spearheaded the organization in Western New York into international recognition. Coordinated annual +\$12K alternative break trips to South Carolina, Florida, and Louisiana to construct houses with Habitat for Humanity. Circle K International is the world's largest collegiate volunteer organization with UB Circle K having the largest membership in the Eastern United States now.

Projects

[chYOUR \(Android Application\); Co-Lead User End Developer](#) – App to help users have one application that contains to-do lists and appointments with GPS service and alarm. Utilized Java, Android Studios, Git, GUI, and numerous Google APIs. Currently up on Google Play Store.

[SEED Network, Web, System, Cryptography Security Labs \(C/C++, Javascript, MySQL\)](#) – A set of instructional assignments designed around hands on experience for users to perform these attacks and countermeasures to mitigate potential attacks on various layers of a system. Topics include: SQL Injection, XSRF and XSS, Shellshock, Packet Sniffing/Spoofing, TCP/IP Attacks, Phishing/Pharming, Public-Key Infrastructure, Buffer Overflow, Web Tracking, etc.

[Diffie-Hellman Key Exchange \(Python\); Creator/Sole Developer](#) – A proof of concept program to show how the DH Key Exchange operates by allowing two parties that have no prior knowledge of the other party to establish a shared secret key over an unprotected channel.

[Google Games; Participant](#) - Worked on multiple mini problems in a competition dedicated to challenge our problem solving skills under time and pressure while utilizing out-of-the-box thinking and team work. Ranked second place in Word Association in web scraping.

Education & Relevant Courses

[University at Buffalo, The State University of New York](#)

Major: Computer Science B.S., Minor: Mathematics – December 2017

Artificial Intelligence, Computer Security, Operating Systems, Algorithm Analysis, Real Time and Embedded Systems, Software Engineering, Data Structures, Programming Languages, Digital Systems, Discrete Structures, Engineering Principles and Computations

Skills & Tools

Python, C++, C, Java, HTML/CSS, Android Development, Shell/Bash Scripts, Javascript, SML, MIPS, Swift, 100 WPM Speed, Android Studios, Adobe Dreamweaver/Photoshop/Acrobat, Raspberry Pi, Arduino, Windows, Linux, Mac OS X, Virtual Box

Languages

English, Mandarin Chinese, Cantonese Chinese, Spanish (proficient)

References Available on Request