

# Aaron Lichtman

SOFTWARE DEVELOPER · BUSINESS MINDED

Highland Park, IL 60035

✉ aaronlichtman@gmail.com | 🏠 alichtman.com | 📧 alichtman | 🌐 aaron-lichtman

## Education

### University of Illinois at Urbana-Champaign

B.S. IN COMPUTER SCIENCE AND LINGUISTICS

Champaign, IL

Aug. 2016 - May 2020

- 3.74/4.00 GPA
- Business Minor
- Relevant Coursework: Discrete/Data Structures, Computer Architecture, Systems Programming, Virtual Reality, Computational Linguistics.

## Experience

### iOS Software Engineering Intern

WAYFAIR

Boston, MA

Summer Internship 2018

- Worked on a team developing an iMessage extension and integrating it into the Wayfair iOS app.
- Created an intuitive product sharing experience for over 210,000 daily users on the iOS platform.

### Course Infrastructure Developer

UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING

Champaign, IL

Jan. 2018 - Present

- Developing a plagiarism detection system that applies machine learning to code metrics and behavioral indicators to identify cheating students.
- Gained proficiency in the ANTLR and NLTK Python libraries. Used them effectively to analyze natural language and parse source code.
- Opened the door for future research opportunities and applications of behavioral analysis to identity verification.
- Final product will be adopted by the UIUC CS department as a replacement for the current state of the art software.

### Lab Instructor - Intro to Computer Science

UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING

Champaign, IL

Aug. 2017 - Dec. 2017

- Taught fundamentals of Java programming, algorithm analysis, and data structures in weekly two-hour lab sections.
- Worked one-on-one with students during office hours; moderated course forum.
- Helped struggling students succeed in the course and develop a passion for computer science.

## Extracurriculars and Projects

### Stronghold - macOS Security Configuration Tool

OPEN SOURCE SOFTWARE

Champaign, IL

March 2018

- Developed and open-sourced a command line interface that walked a user through securely configuring macOS.
- Gained significant knowledge about macOS security architecture.
- Secured the workstations of over 5000 mac users, and earned over 200 stars on GitHub.

### Foreign Exchange Programs

FOREIGN EXCHANGE STUDENT AND HOST

San Sebastian, Spain

Summers 2013-2017

- Lived with a family in San Sebastian, Spain for three summers and learned conversational Spanish at a renowned language academy.
- Hosted multiple exchange students from Spain during high school and taught them about American culture.
- Traveled throughout Israel on Birthright and private trips.

### Link Crew Leader and Assistant Instructor

LINK CREW LEADERSHIP PROGRAM

Highland Park, IL

2015-2016

- Completed a year-long leadership training program, earning my Red Cross lifeguard certification.
- Led high school orientation programs for incoming freshmen and helped them adjust to their new social environment.

## Honors & Awards

2018 **Best Healthcare-related OSS Hack (TypeSense)**, HackIllinois

Champaign, IL

2017, 2018 **Dean's List**, University of Illinois

Champaign, IL

2016 **AP Scholar with Distinction**, Highland Park High School

Highland Park, IL

## Skills

<b>Development Skills</b>	Data structures, code optimization, algorithms, UI/UX design, software testing, debugging.
<b>Languages</b>	Python, Swift, C, C++, Java (incl. Android), HTML, CSS, Javascript (web and node.js).
<b>Software</b>	Git, JetBrains IDEs, XCode, Sketch.