

# Aaron Lichtman

SOFTWARE DEVELOPER · BUSINESS MINDED

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## Summary

Highly motivated, capable software engineer with over 3 years of hands-on experience, including industry work on the Wayfair iOS Core team. Specializing in computational linguistics, backend/infrastructure, and data analysis, with an interest in computer security.

## Honors & Awards

2018	<b>Best Healthcare-related OSS Hack (TypeSense)</b> , HackIllinois	Champaign, IL
2017, 2018	<b>Dean's List</b> , University of Illinois	Champaign, IL
2016	<b>AP Scholar with Distinction</b> , Highland Park High School	Highland Park, IL
2015	<b>Highland Park Honors Society</b> , Highland Park High School	Highland Park, IL

## Education

### University of Illinois at Urbana-Champaign

Champaign, IL

#### B.S. IN COMPUTER SCIENCE AND LINGUISTICS

Aug. 2016 - May 2020

- 3.74/4.00 GPA
- Business Minor
- Relevant Coursework: Discrete Structures, Data Structures, Computer Architecture, Computational Linguistics

### Mobile Makers Academy

Chicago, IL

#### MOBILE IOS DEVELOPMENT BOOTCAMP

Summer 2015

- Three-week intensive iOS mobile application development program focusing on Swift.
- Collaborated with a team to develop an educational game about algorithmic thinking.

## Experience

### iOS Core Developer - Summer Internship

Boston, MA

#### WAYFAIR

Summer Internship 2018

- Working on a team to integrate iMessage sharing of "idea boards" into the Wayfair iOS app.
- Furthering my UI/UX design skills after learning best practices for designing a smooth, intuitive experience for iOS app users.
- Learning Swift 4 and the intricacies of the UIKit framework

### Course Infrastructure Developer - Plagiarism Detection Software

Champaign, IL

#### UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING

Jan. 2018 - Present

- Developing software that combines behavioral indicators with code structure and style metrics to detect plagiarism.
- Learned to use the ANTLRv4 and NLTK libraries as powerful tools for language recognition and code parsing.

### Stronghold - macOS Security Configuration Tool

Champaign, IL

#### PERSONAL SOFTWARE DEVELOPMENT PROJECT

May 2017

- Designed, developed, and open-sourced a command line app in Python that walked the user through a secure macOS configuration process.
- Provided active support for the over 4000 users logged to date.

### Lab Instructor for Intro to Computer Science

Champaign, IL

#### UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING

Aug. 2017 - Dec. 2017

- Taught fundamentals of Java programming and algorithm analysis in weekly two-hour lab sections.
- Worked one-on-one with students during office hours; moderated course forum.

## Extracurriculars

### Leadership Training as Link Crew Leader and Assistant Instructor

Highland Park, IL

#### LINK CREW LEADERSHIP PROGRAM

2015-2016

- Completed a year-long leadership training program, earning my Red Cross lifeguard certification.
- Led high school orientation programs for incoming freshmen.

## Foreign Exchange Programs

*San Sebastian, Spain*

### FOREIGN EXCHANGE STUDENT AND HOST

*Summers 2013-2017*

- Lived with a family in San Sebastian, Spain for three summers and learned conversational Spanish at Lacunza Academy.
- Hosted multiple exchange students from Spain during high school.
- Traveled throughout Israel on Birthright and private trips.

## Skills

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**Development Skills** Data structures, optimization, algorithms, UI/UX design, software testing, debugging.

**Languages** Python, Swift, C++, Java (incl. Android), MIPS, Verilog, HTML, CSS.

**Software** JetBrains IDEs, XCode, Android Studio, Git, Sketch, Command Line.