Aaron **Lichtman**

SOFTWARE DEVELOPER · BUSINESS MINDED

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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*

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

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

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.