

Aaron Lichtman

SOFTWARE DEVELOPER · BUSINESS MINDED

Highland Park, IL 60035

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Honors & Awards

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

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 Core Developer - Summer Internship

Boston, MA

WAYFAIR

Summer Internship 2018

- Worked on a team developing an iMessage extension to enable native sharing of saved "3D View In Room" configurations.
- Created a smooth, intuitive user experience for product sharing on all iOS devices.

Stronghold - macOS Security Configuration Tool

Champaign, IL

PERSONAL SOFTWARE DEVELOPMENT PROJECT

March 2018

- Developed and open-sourced a command line tool that walked a user through securely configuring macOS.
- Gained some depth of knowledge into macOS security architecture.
- Helped secure over 4000 macs.

Course Infrastructure Developer - Plagiarism Detection Software

Champaign, IL

UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING

Jan. 2018 - Present

- Developing plagiarism detection software that relies on behavioral indicators, code style metrics, and code structure metrics.
- Became proficient with the ANTLR and NLTK libraries. Used them effectively for AST parsing and lexical analysis.

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, C++, Java (incl. Android), Kotlin, Bash, HTML, CSS, LaTeX, Verilog, MIPS.
Software	Git, JetBrains IDEs, XCode, Sketch, Command Line.