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/Data Structures, Computer Architecture, Systems Programming, Virtual Reality, Computational Linguistics.

Experience

iOS Core Developer - Summer Internship — *Boston, MA*

WAYFAIR — *Summer Internship 2018*

- Led a team in the development of an iMessage extension to enable native sharing of saved 3D "View In Room" configurations.
- Designed a smooth, intuitive user experience for product selection and sharing for both iPhone and iPad.

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.