Aaron **Lichtman**

SOFTWARE DEVELOPER · BUSINESS MINDED

Highland Park, IL 60035

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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 Software Engineering Intern   *Boston, MA*
WAYFAIR   *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   *Champaign, IL*
UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING   *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   *Champaign, IL*
UNIVERSITY OF ILLINOIS - COLLEGE OF ENGINEERING   *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   *Champaign, IL*
OPEN SOURCE SOFTWARE   *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   *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 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   *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 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

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