

Aaron Lichtman

SOFTWARE DEVELOPER · BUSINESS MINDED

Highland Park, IL 60035

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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.

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 and code structure metrics.
- Became proficient with the ANTLR and NLTK Python libraries. Used them effectively for analyzing natural language and parsing source code.
- Researching plagiarism detection system architecture for use by the UIUC CS department.

Lab Instructor for 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 many students develop a passion for computer science and succeed in the course.

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 4000 mac users.

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), Kotlin, Bash, HTML, CSS, LaTeX, Verilog, MIPS.
Software	Git, JetBrains IDEs, XCode, Sketch.