

AARON KELLEY

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EDUCATION

University of Michigan College of Engineering *Ann Arbor, MI*

Sep 2017 - April 2021

B.S.E. Computer Science

- GPA: 3.5 / 4.0
- Coursework: Data Structures and Algorithms, Theory of Computation, Discrete Mathematics, Computer Organization, Web Systems, Computer Security
- Awards: Dean's Honor List Fall '17, University of Michigan Regents Merit Scholar

EXPERIENCE

Alexa4Education Development Group *Developer - Ann Arbor, MI*

Apr 2019 - Aug 2019

- Designed and implemented Amazon Alexa skills to serve as virtual instructors for various University of Michigan courses
- Conducted implementation on both front and back end development for each skill, utilizing the Alexa Development console and AWS Lambda, respectively

Camp Daggett *Counselor - Petoskey, MI*

Summers 2015 - 2019

- Organized activities for 120 campers each week, including team building exercises
- Conducted seminars for 90 visually impaired teens to prepare them for unassisted living

PROJECTS

Instagram Clone - Full Stack Web App

Feb 2020

- Developed a client-side dynamic Instagram clone that utilizes Python Flask backend, SQLite database, ReactJS frontend and AJAX calls to a custom JSON-based REST API in order to explore full-stack web development
- Deployed production build to AWS EC2 instance, exhibiting familiarity with cloud computing services

Star Wars Battle Heap - Battle Simulator

Feb 2019

- Designed program that utilized stock market simulation and streaming algorithm techniques to simulate optimal Sith versus Jedi battles on different planets
- Architected and implemented custom comparators to determine optimal battalion attacks

SKILLS AND ACTIVITIES

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- **Experienced in:** C/C++, Python, Java, HTML/CSS, React, Flask, Git
 - **Exposure to:** JavaScript, SQL, UNIX, VIM, AWS, Swift
 - **Other Interests:** UMich iOS development club, skiing, camping