Aidan Fitzgerald

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Education

Cornell University, College of Engineering *Ithaca, NY*

B.S. in Computer Science, GPA: 3.682, Dean's List (2017, 2018) *May 2020*

- **Relevant Courses:** Data Structures and Functional Programming, Designing Technology for Social Impact, Intro to Psychology, Computer Graphics, Embedded Systems, Digital Logic and Computer Organization, Networks, Discrete Structures, Intro to Analysis of Algorithms, Machine Learning, Intro to Entrepreneurship for Engineers, Object-Oriented Design and Data Structures – Honors, Differential Equations, Linear Algebra

Work Experience

Kanduit *New York, NY*

Software Engineering Intern *December 2018 – present*

- Make Kanduit's social services database compatible with the Human Services Data Specification.
- Establish a systematic software development process, including continuous integration and delivery.

Datto *Boston, MA*

Software Engineering Intern, Datto SaaS Protection/Backupify *June – August 2018*

- Collaborated with a Scrum team to help migrate the Backupify web application to Datto's single sign-on system.
- Fixed vulnerabilities to help bring Backupify into compliance with SOC 2.
- Programmed in Ruby, Scala, and PHP using the Rails, Akka, and Symfony web frameworks.

Department of Computer Science, Cornell University *Ithaca, NY*

Teaching Assistant, Object-Oriented Design and Data Structures – Honors *August – October 2017*

- Administered weekly office hours where students could get help with homework problems, understanding concepts and skills.
- Graded three assignments by finding errors in students' code using the Eclipse JUnit plugin and built-in debugger.

Morgan Stanley *New York, NY*

Summer Analyst, Enterprise Infrastructure *July – August 2016*

- Built a distributed file system using EncFS, designed to meet regulatory standards for encrypted public cloud storage.

Social Stewardship

Cornell CS+Social Good *Ithaca, NY*

Founder & Co-President *August 2017 – present*

- Plan two events about technology and social issues in collaboration with Women in Computing at Cornell (WICC).
- Work with the non-governmental organization Ascoderu to develop Lokole, a Raspberry Pi–based device that enables residents of rural areas to communicate via email affordably.

Hackathons & Projects

Lokole *Ithaca, NY and Remote*

Cornell CS+Social Good and Ascoderu *May 2018 – present*

- Develop an Ansible playbook to install and configure the Lokole software on Internet-in-a-Box.

Popcoin *Ithaca, NY*

Most Innovative Hack, Cornell Fintech Hackathon *September 2018*

- Mobile application designed to encourage wider use of banking systems in Peru by rewarding users for saving money.

MPower *Ithaca, NY*

Honorable Mention, Cornell Health Tech Hackathon *March 2018*

- Chatbot that evaluates users for signs of depression based on a question-and-answer flow, implemented using Dialogflow.

Piecewise Linear Regression

Side Project *September 2017*

- MATLAB implementation of a dynamic program to find the sequence of line segments that best fit a set of 2-D points.