Aidan Fitzgerald

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Education

Cornell University, College of Engineering   *Ithaca, NY*

B.S. in Computer Science, GPA: 3.721, Dean's List (2017, 2018)   *May 2020*

- **Relevant Courses:** Computer Graphics, Embedded Systems, Digital Logic and Computer Organization, Networks, Discrete Structures, Introduction to Analysis of Algorithms, Introduction to Entrepreneurship for Engineers, Object-Oriented Design and Data Structures – Honors, Linear Algebra, Multivariable Calculus, Machine Learning

Work Experience

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.
- Co-teach a class for middle and high school students about designing technology for social impact.

Hackathons & Projects

Lokole

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.

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.

Hilton Latitude   *Ithaca, NY*

Honorable Mention, Hilton × Cornell Hospitality Hackathon   *October 2017*

- Electronic wristband that connects travelers to the local emergency response system even in places with poor cellular service.

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.

Life Changing Makeathon   *Ithaca, NY*

Finalist   *February 2017*

- Arduino-based prototype for a smartphone accessory that causes LEDs facing the user to flash when it senses an obstacle.