

# Cameron Bernhardt

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## EDUCATION

**University of Maryland** – College Park, Maryland **Grad. May 2020**  
*Bachelor's of Science, Computer Science (cum laude)*  
GPA: 3.93

- Compilers
- Prog. Languages
- Computer Vision
- Algorithms
- Databases
- Networks
- Concurrency
- Computational Proofs
- Artificial Intelligence
- iOS Development
- AR/VR Development
- Functional Prog.

## EXPERIENCE

**Stripe** – San Francisco, California **Aug. 2020 — Present**  
*Software Engineer*  
*Software Engineering Intern, Privacy Engineering* **May 2018 — Aug. 2018**

- Created a pipeline to facilitate the annotation of data sources for General Data Protection Regulation (GDPR) compliance
- Designed a Scala-based web service to report missing and invalid annotations
- Constructed a dashboard to display metrics about company annotation efforts

**Microsoft** – Redmond, Washington **May 2019 — Aug. 2019**  
*Software Engineering Intern, Excel*

- Sped up sorting operations in Excel Online by implementing multithreaded sort
- Investigated and diagnosed slowness of the filter operation in Excel Online
- Generalized multithreaded tasking to ease the development of future multi-threaded operations in the product

**University of Maryland** – College Park, Maryland **Aug. 2018 — May 2020**  
*Teaching Assistant, Programming Languages*  
*Sponsorship Director, Bitcamp Hackathon* **Aug. 2017 — Aug. 2019**

**Systems Engineering Group** – Columbia, Maryland **Sept. 2017 — Feb. 2019**  
*Software Engineer, Part-Time*  
*Software Engineering Intern, Modeling & Simulations* **May 2017 — Aug. 2017**

- Developed a Python library from scratch for generating publication-quality maps on classified networks
- Designed and implemented automated testing and documentation generation
- Replaced the company's existing geographic information systems (GIS) toolkit

**New York University** – New York, New York **Oct. 2016 — Aug. 2017**  
*Sponsorships & Partnerships Director, HackNYU*

- Met with companies in the New York City area to secure over \$50k in funding and partnerships for NYU's global hackathon
- Led a team of student organizers working with corporate sponsors and contacts

## PROJECTS

**AssumeZero Bot** **January 2017 — Present**  
A Facebook Messenger bot written with Node.js designed to expose hidden features in Messenger's UI, connect to external services like Wolfram|Alpha and Spotify, and automate common tasks like adding and removing users.

**mnotify** **April 2020 — Present**  
mnotify is a command-line utility for sending notifications related to builds, cron jobs, or anything else accessible from the shell through Facebook Messenger.

**A/B Day** **November 2014 — Present**  
An iOS and watchOS application and website designed to help students, parents, and teachers keep track of the block schedule for Baltimore County Public Schools. ...and more **on GitHub**.

## LANGUAGES & TOOLS

Python, JavaScript, Swift, OCaml, C, Java, Ruby, Rust, Haskell, Scala, C++  
Node.js, Git, Shell, GIMP, L<sup>A</sup>T<sub>E</sub>X, MATLAB, 3D Printing, Robotics