Aubin Lohier

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EDUCATION

- **The Johns Hopkins University** — Baltimore, MD
  Bachelor of Science in Computer Science — *Aug. 2017 – May 2021*
  - **Relevant Coursework**: Data Structures, Digital System Fundamentals, Introduction to Java Programming, Discrete Mathematics, Intermediate Programming, Linear Algebra, Automata and Computation Theory, User Interfaces and Mobile Applications
  - **Distinctions**: JHU Association for Computational Machinery Secretary (2018-2019) and Events Chair (2019-2020), Bloomberg Scholar, HopHacks Fall 2019 Organizer, Invited to attend the STAQ Quantum Computing Conference.

EXPERIENCE

- **Facebook** — Menlo Park, CA
  University Engineering Intern — *June 2019 - August 2019*
  - **Program Summary**: Designed, implemented, and developed an Android mobile application as part of team(**local.ly**) after being trained in Android development. Used the Google Places/Maps API, Twitter API, and the open source Parse platform.

- **ForagerOne, LLC** — Baltimore, MD
  Core Developer — *Dec. 2017 - Feb. 2019*
  - **Backend**: Worked on the backend functionality for the faculty side of the server (MySQL). Helped remodel database infrastructure for a more intuitive layout and issue fixing.
  - **Frontend**: Focused on user interface enhancement. Helped redesign several core web pages, including the project application page, messaging page, and the application email.

- **Google CodeU** — Baltimore, MD
  Student Participant — *May 2018 - Aug. 2018*
  - **Program Summary**: Collaborated with a team of 3 peers to design and implement a web application using Java and JavaScript, leveraging various Google Cloud Platform APIs, including App Engine and Datastore.
  - **Industry Skills**: Learned and followed industry best practices such as: contributing to open source software, conducting regular code reviews with/for teammates, extending an existing codebase, designing new components and interfaces and leading them to completion.
  - **Project Role**: Created a webpage that was able to gather information across the website and allowed users to view this information in one place, such as new users joining the site and ongoing conversations the user has. Also worked on specifically looking for user mentions and designing a webpage that lists user mentions.

- **Research** — Baltimore, MD
  Laboratory Intern at Johns Hopkins University — *May 2018 - Aug. 2018*
  - **Research Summary**: Focused on Machine Learning Python concepts to tests microchips while working with Dr. Andreas Andreou. Awarded ECE Summer Fellows Fellowship.

RECENT PROJECTS

- **local.ly**: Worked with a team to design and implement a location-based ads app that fosters and enhances community development by allowing users to view events going around near them and post events that they host for other nearby community members to participate in. https://github.com/zuckyskidz/team_project/
- **RepresentU**: Designed and implemented as a a group project for a course in user interfaces and Android mobile application development, goal was to increase undergraduate representation on college campuses through unofficial surveys. https://github.com/jhu-cs-uima-sp19/representU
- **Studious**: Worked as part of a team to create a website/application that allows students to create and join public study groups at their university. Developed in HTML/CSS/JavaScript at PenApps XVIII. Used the Algolia Search API and Electron Framework. https://devpost.com/software/studious

PROGRAMMING SKILLS

- **Languages**: Java, C/C++, Python, Javascript/jQuery/TypeScript, SQL

- **Technologies**: Android Application Development, Git Version Control, UNIX/Linux, Firebase, Parse, Google Cloud Platform, HTML/CSS/Angular, Java Server Pages, Electron Framework, JUnit Testing, Node.js, LaTeX