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
  - **Distinctions**: JHU Association for Computational Machinery Secretary (2018), Bloomberg Scholar (2017), HS Salutatorian (2017), Invited to present at CompleNet (2015).

EXPERIENCE

- **JHU Center for Language and Speech Processing** — Baltimore, MD
  Research Assistant — *Feb. 2018 - Present*
  - **Research Summary**: Tasked with aiding in classification of text samples training sets to improve artificial intelligence text intent analysis.

- **ForagerOne, LLC** — Baltimore, MD
  Core Developer — *Dec. 2017 - Feb. 2018*
  - **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, JavaScript, HTML and CSS over the course of 12 weeks, 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 using Git and GitHub, 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 — *Summer 2018*
  - **Research Summary**: Focused on Machine Learning Python concepts to tests microchips while working with Dr. Andreas Andreou. Awarded ECE Summer Fellows Fellowship.

PROJECTS

- **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
- **Chat Web App**: Worked as part of a team to launch a chat web application using the Google App Engine. http://zeta-204100.appspot.com/
- **Free Food Tracker**: Worked as part of a team to launch a website using Google App Engine. Developed primarily in Python (backend). Designed and programmed handlers that used the Google Datastore to store posts, delete posts, show posts, and create posts. http://free-foodies.appspot.com/

PROGRAMMING SKILLS

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

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