Arnaud Avondet

(412)390-5629 | aavondet@andrew.cmu.edu | Pittsburgh, PA | linkedin.com/in/aavondet/ | https://github.com/aavondet

Education

Carnegie Mellon University (Pittsburgh, PA) [Expected graduation May 2022]
Bachelor of Science in Mathematical Sciences (Minor in Computer Science) [GPA 3.73/4.00]
The American School in Japan (Tokyo, Japan) [Graduated June 2018]
High School Diploma

Work Experience

Developer Intern, *Plaid, Inc (Tokyo, Japan)* [May 2019 – August 2019]
- Developed the frontend code of several new pages, giving design input about industry standards and UX writing, coding them in JavaScript using the Vue framework, and writing e2e tests in CoffeeScript using Selenium
- Contributed with frontend code refactoring and long-term development planning to prepare the CX platform Karte for its initial overseas release as part of the i18n team

Projects

On Missing Sums in p-Random k-Sumsets [March 2019-Present]
- Conducting research on taking sumsets of random subsets of consecutive numbers, specifically rewriting Python code into C for quicker computation to get data about missing sums, as well as explore theoretical results

JSA Bot (Slack Bot)
- Developing a slack bot using node.js and bolt to for the Japanese Student Association, starting with the integration of the Google Drive API to create meetings notes easily within the channel and raise productivity

D-Media: Decentralized Social Media [June 2019] [Received Social Good Award at Decrypt Tokyo]
- Hackathon project where we ideated and prototyped a decentralized social media platform utilizing blockchain technology made with JavaScript, Vue, mongoDB, and Ubiqys kit(sidechain for Ethereum)

Bike Pittsburgh Data Science Project [November 2018 – April 2019]
- Utilized the R programming language to clean survey data from the OpenStreetsPGH event run by Bike Pittsburgh for further analysis
- Used the GeoPandas package for Python and ArcGIS Online to create data visualizations using geolocation to gain insight into the OpenStreetsPGH event attendees and help reach a more diverse audience

Numberpedia [September 2018]
- Developed in one day a simple web app the provides interesting facts about the first ten nonnegative integers that we all love, using Javascript and anime.js animation library

Activities/Leadership

CMU Blockchain Group –Vice President [September 2018 -]
- Designed the first club logo that is used on all official documentation, emails, and posters to portray the club in a professional manner
- Co-programmed the club website using HTML, CSS, JavaScript, and Bootstrap, to be able to publicize the club beyond the CMU campus
- Planned a joint event Club on Cryptography with the CMU Math to spread the presence of the Blockchain Group to a bigger audience on campus
- Created different schedule posters using Adobe Illustrator and XD to help garner potential blockchain enthusiasts in our community to our events

Japanese Student Association –Vice President of Internal Affairs [September 2018 –]
- Edited a program in Python that helped club members send emails to a list of people on a CSV file to prepare for our annual flagship event, Matsuri
- Conducted social media marketing for club events and fundraisers through Facebook pages and Instagram stories, as well as postering and events
- Planned and presented at several Japanese cultural events for the campus community
- Organized a series of performances, including Taiko drumming, as a stage manager for our flagship event to interest the Pittsburgh community in Japanese culture

Skills

- **Languages:** English, Japanese
- **Programming Languages:** C, Java, JavaScript, Python, R, Solidity (Beginner)
- **Programming Tools:** Express.js, MongoDB, Scikit-learn, TensorFlow, Vue JS, etc
- **Computer Skills:** Adobe After Effects, CSS, HTML, iMovie, LaTeX, Microsoft Office