

# Arnaud Avondet

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## EDUCATION

### CARNEGIE MELLON UNIVERSITY

BS MATHEMATICAL SCIENCES

Expected May 2022 | Pittsburgh, PA

Double Major in Computer Science

GPA: 3.54 / 4.00

### AMERICAN SCHOOL IN JAPAN

Grad. June 2018 | Tokyo, Japan

## LINKS

Github:// aavondet

LinkedIn:// aavondet

Twitter:// @aaavondet\_

## COURSEWORK

Algebraic Structures

Cryptocurrencies, Blockchains, and Applications

Introduction to Computer Systems

Parallel and Sequential Data Structures and Algorithms

Principles of Functional Programming  
Probability

## TEACHING ASSISTANT

Concepts of Mathematics

(Intro proof writing)

Cryptocurrencies, Blockchains, and Applications

## SKILLS

### LANGUAGES

English • Japanese

### PROGRAMMING

Comfortable

C • CSS • HTML • JavaScript

LaTeX • Python • SML • Vue.js

Familiar:

R • Scikit-learn • Solidity

## EXPERIENCE

### EXPII | INTERN

Sept 2019 – Dec 2019 | Pittsburgh, PA

- Wrote math problems for the Daily Challenge with Po-Shen Loh with LaTeX
- Filmed and edited video lectures with DaVinci Resolve

### PLAID | DEVELOPER INTERN

May 2019 – Aug 2019 | Tokyo, Japan

- 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

### VIGIENCE | INTERN

July 2018 | Tokyo, Japan

- Edited tutorial videos for a Salesforce add-on, Overcast
- Helped maintain documentation for Overcast

## PROJECTS

### ON MISSING SUMS IN P-RANDOM K-SUMSETS Mar 2019 -

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 result.

### D-MEDIA: DECENTRALIZED SOCIAL MEDIA Jun 2019

A project I worked on during the Decrypt Tokyo Blockchain hackathon. Prototyped and pitched a decentralized peer-reviewed social media platform similar to Twitter, built with Vue JS, MongoDB, and a sidechain for the Ethereum blockchain, Ubiqys Kit. Won the Social Good award.

### VUE LUNCH APP May 2019

Simple app that lets you post your plans for lunch to get others to join you, made in 2 3 days to learn Vue JS, express, and MongoDB, for my internship at Plaid.

### BIKE PITTSBURGH DATA SCIENCE PROJECT Nov 2018 - Apr 2019

A project with Students Using Data for Social Good, an organization that is a part of the Heinz College. Worked on a team of graduate students as a freshmen, doing data cleaning with R, as well as using GeoPandas and ArcGIS Online to create data visualizations using geolocation to gain insight into the OpenStreetsPGH event attendees and help reach a more diverse audience.

## LEADERSHIP

### CMU JAPANESE STUDENT ASSOCIATION | PRESIDENT

Leading an executive board of about 10 people to provide Japanese cultural and social events to the CMU and Pittsburgh community. Since being in charge, I have specifically focused on team building exercises among our executive board.

### CMU BLOCKCHAIN GROUP | VICE PRESIDENT

Co-organized writing a parody blockchain paper that was published on SIGBOVIK 2020, as well as helped with preparing for community meetings to talk about blockchain, from current events to solidity workshops.