

# CHEYANNE-MARIE CABANG

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## EDUCATION

B.S. in Data Science & Computer Science, American University (4.0 GPA) Aug 2019 - June 2022

*Relevant Coursework:* Intro to Programming I in Python, Intro to Programming II in Java, Computer Systems Organization (C & Arduino), Discrete Structures

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## EXPERIENCE

**Data Analyst**, *Adoptee Hub*

Apr 2021 - Present

- Acquire data related to adoptions on international, national, and state levels to maintain database
- Conduct survey research using Microsoft Sharepoint

**Research Assistant**, *Department of Sociology*, American University

Mar 2021 - Present

- Maintain, update, and visualize immigration policy datasets in R and Python

**Student Assistant**, *American University Media & Technology Services*

Aug 2019 - Present

- Developed responsive UI for dashboard widget that displays live availability of library technology using library's API database (JavaScript, jQuery, HTML5, CSS)
  - Emphasized accessibility by following WC3/Section 508 guidelines
  - Parsed XML and JSON file from API using JavaScript
  - Incorporated responsive, mobile-friendly design with CSS Flexbox
  - Created animated gauges that update automatically using open-source 3rd party libraries
- Implemented a random movie generator using JavaScript, HTML5, and CSS along with third party API for patrons on library website

**Technology Intern**, *Jordan & Cara Odo Foundation*, Remote

Jun 2020 - Jul 2020

- Designed and deployed website that emphasized accessibility and usability and won 1st place for prototype and implementation plan
- Worked in team to implement global search functionality for local nonprofit's mobile app's RESTful API in Golang
  - Virtualized server in Docker for build environment
  - Utilized version control management software (Git)
- Simulated Big Data network flow in Golang

**Executive Director, Founder**, *Ho'ohui Initiative*

Jul 2020 - May 2021

- Managed day-to-day operations of nonprofit including website creation and maintenance, worked closely with 15+ volunteers
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## PROJECTS

COVID-19 in Prisons

Mar- Apr 2021

- Utilized Java to parse Marshall Project's COVID-19 in Prisons CSV dataset
- Used object-oriented design to build JavaFX GUI that presented percentages and rates related to COVID-19 cases, deaths, and vaccinations among prisoners and staff members on national and state levels
- Implemented JUnit testing for code validation

U.S. Presidential Elections Data Visualizer

Dec 2020

- Analyzed, interpreted, and visualized M.I.T.'s dataset on U.S. Presidential Elections using Python