NaNa Mathis

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EDUCATION

Scripps College   Claremont, CA

Bachelors of Arts in Computer Science through Harvey Mudd College, *cum laude*   May 2020

Thesis: *Modeling employment-matches for anonymous jobseekers*

RELEVANT COURSEWORK

Introduction to Data Science · Programming Languages · Computational Photography · Algorithms · Combinatorial Mathematics · Software Development · Computer Systems · Software Verification · Computability and Logic · Data Structures · Discrete Mathematics · Digital Art

PROJECTS

Flower Finder   *January 2019 - May 2019*

- Collaborated with classmates to create a web application that identifies and informs the user how to care for their uploaded image of a flower
- Applied knowledge of neural networks to implement image identification using Python's deep learning library, fastai

Harvey Mudd Clinic Project   *August 2019 - May 2020*

- Determined most useful features for accurately predicting job attributes by evaluating the relative importance of the bag of words used in our models
- Developed a modular data pipeline for loading over 20 TB of data from Google Cloud's BigQuery

SKILLS

Advanced in: Python, Adobe Photoshop, Adobe Lightroom, Adobe Illustrator, Microsoft Office

Proficient in: C, C++, Java, Javascript, Haskell, HTML, CSS, SQL, Express.js, Node.js, Vue.js, React, Flask, Racket, Arduino C, NuSMV, Java Path Finder, Adobe InDesign, Adobe After Effects

Languages: Basic Spanish (verbal and written)

EXPERIENCE

Mimohello GmbH   July 2020 - Present

Independent Contractor   *Remote*

- Increases accessibility for millions of people learning to code on Mimo by contributing in-depth programming content for beginning coders
- Expands the library of courses Mimo offers by contributing programming questions, examples, and projects for different topics of technology
- Refines educational feedback to the user by writing test cases that accurately evaluate user input and progress in course exercises

Harvey Mudd College   September 2017 - May 2020

Computer Science Grader and Tutor   *Claremont, CA*

- Tutored students in programming languages, algorithms and introduction to computer science courses at Harvey Mudd
- Worked with professors and students one-on-one to ensure students' understanding of material and applications of concepts
- Graded homework and project assignments for the courses to provide detailed feedback to students

UPchieve   June 2019 - August 2019

Software Engineer Intern   *Brooklyn, NY*

- Implemented online recruiting and onboarding procedure for volunteers/tutors to quicken the process using Node.js and Express
- Remodeled website interface using Vue.js framework to improve user experience
- Utilized Mongoose to organize and update user information in MongoDB

Girls Who Code Summer Immersion Program   June 2018 - August 2018

Teaching Assistant   *Washington, DC*

- Introduced high school girls to computer science and the tech industry through info sessions, panels, and engaging activities
- Helped students navigate and network in the tech industry through speakers and field trips
- Partnered with students on projects in Python, HTML/CSS, Javascript, and Arduino C