Freya Ryd

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EDUCATION

Cornell University College of Arts and Sciences, Ithaca, NY
Bachelor of Arts in Computer Science, May 2021

RELEVANT COURSEWORK

CS2112 - Object Oriented Design and Data Structures (Java)
INFO 2300 - Intermediate Design and Programming for the Web (HTML/CSS, PHP, SQLite)
CS3110 - Data Structures and Functional Programming (OCaml)
CS3410 - Computer Systems Organization and Programming
COGST3420 - Human Perception: Application to Computer
 Graphics, Art, and Visual Display

SKILLS

· Java
· Web scraping (Python, BeautifulSoup)
· Web development
· Virtual reality (A-Frame)
· Git

EXPERIENCE & PROJECTS

Action Auctions Fundraising (d)App   July 2018 – Present
· Started constructing app for online 50-50 silent auctions, proceeds going to charity. Concurrently working on two versions, one with Ethereum payment, and one with credit card payment
· Leading back end development of the dApp (smart contract version) with a couple other developers.
· Won Future of Humanity and Bushwick Generator awards at Blockchain for Peace Hackathon

Teaching Assistant for INFO1300 - Intro Design and Programming for the Web   August 2018 – Present
· Lead lab section and hold office hours with the goal of making sure every student understands the material
· Teach basic HTML/CSS and Javascript, with emphasis on designing for a client and learning to write correct, clean code

VR and Web App Teaching Assistant for Upperline Coding School   June 2018 – August 2018
· Aid students in creating their own virtual reality games with A-Frame, guide students through the planning and coding process of their games' development
· Guide students in developing web apps backed by Firebase and various APIs
· Work with the other teaching staff to foster good classroom culture, and a positive mindset around learning to code
· Managed some of the everyday operations of the camp for the lead teacher (student sign-in and out, checking for paperwork, negotiated student disagreements etc.)

Instructor and Co-lead of Web Development Curriculum for codeConnects   May 2018 – September 2018
· Collaborate with another undergrad student to manage a team of 8 creating a comprehensive web development curriculum for middle and high school students
· Focus on creating teaching materials that allow undergrad instructors to provide high quality and engaging web development classes to students through one-on-one online tutoring, improving access to computer science education
· Teach Python curriculum remotely, testing out various collaborative teaching tools, and styles before the official launch of codeConnects

Predicting Counter Strike Global Offensive Tournaments   March 2017 – July 2017
· Tested various algorithms to analyze the results of thousands of professional video game tournaments
· Wrote Python scripts to read information from webpages, and then analyze said data
· Worked in a team with another high school student and a Cornell math PHD student

CURRENT INTERESTS

Full Stack Web Development – Tech and Social Impact