

# Freya Ryd

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Fellow of Rewriting the Code

## 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  
INFO 2300 - Intermediate Design and Programming for the Web  
CS3110 - Data Structures and Functional Programming  
CS3410 - Computer Systems Organization and Programming  
COGST3420 - Human Perception: Application to Computer  
Graphics, Art, and Visual Display

## SKILLS

- Java, C, Python
- Web development (HTML/CSS, Javascript, PHP, MySQL)
- User-centered design
- Git

## EXPERIENCE & PROJECTS

**Teaching Assistant for INFO2300 - Intermediate 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 PHP, MySQL, with emphasis on creating interactive, data-driven websites
- Strong emphasis on how web sites are deployed and used, usability issues on the web, user-centered design, and methods for visual layout and information architecture

**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

**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

## CURRENT INTERESTS

User-Centered Design – Backend Development – Tech and Social Impact