

Joy Rutledge

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EDUCATION

Spelman College

Computer Science Major, Food Studies Minor

Atlanta, GA

August 2021 – May 2025

Relevant Courses: Discovering Python, Introduction to C++, Sustainable Plant Production, Data Structures and Algorithms, Data Management Systems

Technical Knowledge: Python, C++, JavaScript, ReactJS, Node.js, Django, Google Earth Engine

PROFESSIONAL EXPERIENCE

University of California, Berkeley

Berkeley, CA

Summer Research Intern – Agroecology Lab & Biometeorology Lab

May 2022 – July 2022

- Designed a research project with the goal reducing the impact of agricultural-caused carbon emissions
- Developed a remote sensing algorithm in JavaScript that identified the amount of continuous living cover in California's Central Coast using remote sensing
- Used machine learning through the implementation of supervised classification, an NDVI threshold, and confusion matrix to determine overall accuracy in Google Earth Engine

Spelman College

Atlanta, GA

Sustainable Spelman Intern

September 2021 – Present

- Increased awareness, knowledge, and action regarding sustainability and environmental issues on campus by working closely with school faculty to develop ideas towards future sustainable efforts
- Partnered with corporations like Goodr to tackle food waste and food insecurity on campus
- Created a movie to educate peers for Women in Green Conference about Spelman's sustainability initiatives

UX/UI Developer, Freelance

Remote

UX Developer/ Designer

May 2021 - Present

- Create responsive web designs for clients based off their business model and needs
- Utilizing tools such as Figma for wireframing and WordPress, Wix, and/or CSS & JS for implementation

KittLabs

Atlanta, GA

Intern

May 2021 – August 2022

- Used Node.JS to create API points for the backend development of NFT trading website
- Grew social media platform, increased following by 200+ accounts

BeanPath

Remote

Producer & Web Designer

December 2021 – January 2023

- Host Zoom Webinars for monthly "Tech Talks" and post on social media/ websites
- Pair tech experts with clients looking for tech advice about business development, breaking into industry, or pathways

LEADERSHIP AND CAMPUS INVOLVEMENT

Scholar, CodeHouse

July 2021 - Present

- Selected as one of the 29 students nationwide to be a part of the inaugural cohort
- Participated in a 4 week summer bridge program to learn python, UX/UI design, and product management

Food Studies Scholar

September 2021 - Present

- Selected as one of the 13 scholars' campus wide into to the inaugural cohort of students who are engaged in the innovative exploration of food interdisciplinary topics such as: food justice, food policy, agroecology, herbalism, food science, nutrition, and dietetics
- Volunteer at campus garden: propagate, plant, harvest, and rotate crops in connection to the African Diaspora
- Built the colleges very first active composting station

Founder, YardSell

March 2022 - Present

- YardSell is an online marketplace where HBCU students and entrepreneurs to facilitate business transactions
- Placed 2nd Runner up in Spelprenuer, Spelman's annual school-wide pitch competition, lead team to develop business model, pitch deck, and MVP
- Participated and won HBCUFI (HBCU Founder's Initiative), a 12-week startup incubator that covered topics such as Marketing, Product Development, and Legal for HBCU students and alumni across the country
- Raised over \$3,000 in Pre-Seed capital

Product Manager, HBCU Game Jam

March 2023

- Placed 2nd Runner up for the 24-hour hackathon
- Cooperated with team members to deploy a narrative fighting video game
- Conducted market research to understand users to innovate viable game features
- Created the pitch deck to convey our products, findings, and value proposition