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Tiffany McBrayer

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Education

Dual Bachelor of Arts and Bachelor of Science Degree Program

Columbia University | New York, NY

May 2023

Bachelor of Science in Computer Science

Cumulative GPA: 3.5

Sarah Lawrence College | Bronxville, NY

May 2021

Bachelor of Arts, Concentrations in Computer Science, Mathematics, Physics

Cumulative GPA: 3.9

Honors: NCAA College Sports Information Directors of America (CoSIDA), Academic First Team All-District 3 (NY)

Projects

Programs: Advanced: Java, Python, Processing

Intermediate: C, HTML, CSS, JavaScript,

Covid-19 Data Analysis: <https://www.covid19dataanalysis.info/home>

- Comparing Covid-19 rates with the main economic indicators, which demonstrates the impact that the Pandemic has had on the American Economy

Miami Beach Coaster Club: <http://astoryisnotatree.net/?p=15554>

- Modeled an animated amusement park created in processing

GitHub: <https://github.com/tiffanymcbrayer/Python-Java-Code>

- Projects including Connect 4 & algorithms and calculators used in linear algebra and multivariable calculus

Technological Benefits in Home Care

- Researched assistive technology used in the home by the caregiver and the care receiver

Work Experience

Madewell | Sales Associate | Miami, FL

Jun 2021 – Aug 2021

- Promoted products, answered questions about merchandise, and operated cash registers
- Processed and organizing shipments and stayed focused in a fast-paced environment

Sarah Lawrence College | Coding Tutor | Bronxville, NY

Sept 2020 – Dec 2020

- Explained complex concepts in Python in a way students could understand
- Communicated and created schedule with professor and students on a weekly basis

Sarah Lawrence College | Admissions Ambassador | Bronxville, NY

Jun 2020 – Aug 2020

- Informing prospective students and families with campus, academic programs, and student life
- Hosted information sessions and campus tours virtually and in person

Skeletal Dynamics LLC | Research & Development Intern | Miami, FL

May 2019 – Aug 2019

- Wrote protocol, performed test, and collected data to compare Skeletal Dynamics screw to predicate screw
- Redesigned K-Wire (wire/pin used in orthopedic surgery) packaging for cost reduction using Solid Works
- Produced dimensional drawings for new Carpal Tunnel Syndrome device
- Created Document Change Request forms

Syntheon LLC | Clinical Research Intern | Miami, FL

Jun 2017 – Aug 2017

- Researched clinical benefits of cardiovascular device treating Atrial Fibrillation and ischemic strokes
- Introduced device to cardiac surgeons at medical device convention using informational materials developed through research

Extracurricular Activities

NCAA Division III Women's Soccer | Sarah Lawrence College

Aug 2018 – May 2021

- Practiced and played 20 hours per week while maintaining rigorous academic schedule
- Received NCAA Women of the Year Award 2021 conference-level nominee
- Earned Skyline All-Conference First Team 2019, Skyline All-Conference Second Team 2018

Interests: US Women's National Soccer Team, Running, Biking, Duathlon training, Sewing