

NATALIE FORMAN

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EDUCATION

Whitman College, Walla Walla, WA

Expected Graduation:

May 2022

- Computer Science Major (GPA: 3.96)
- Selected Coursework: Machine Learning, Software Design, Data Structures, Human-Computer Interaction

Scholarships and Honors

- Eels Scholarship (full-tuition) & Walter Brattain Scholarship, Whitman College 2018–2022
- Village Scholarship, Bazinet Foundation 2018–2022

SKILLS

- **Languages and Software:** *Python, Java, SQL, R, C++, Matlab, LaTeX, Microsoft Office Suite*
- **Amazon Web Services:** *Simple Systems Manager, DynamoDB Streams, Lambda Functions, SQS Queues, S3 Bucket Site Hosting*

RELEVANT EXPERIENCE

Software Engineering Intern, Stormlight Consulting, Redmond, WA

Summer 2021

- Created feature to send out scheduled tweets based on updates made to a jobs website using Twitter APIs, the Serverless Framework, AWS DynamoDB Streams, Lambda, SQS Queues
- Developed secrets management feature to securely store and access API keys using AWS Simple Systems Manager, Boto3, GitHub
- Designed web application to inform users on relevant charities based on their interest using HTML, Python, Flask

IT Intern, Baker Boyer Bank, Walla Walla, WA

September–November 2020

- Established and co-led a working group to redesign the bank's standard client account interface
- Presented to bank management to gain support for expansion of software development initiatives
- Developed a personalized curriculum of over 35 videos to help bankers effectively navigate new software
- Collaborated with several bank departments to understand and improve client financial data

Data Science Researcher, North Carolina State University, Raleigh, NC

Summer 2019

- Accepted into highly competitive NSF-sponsored Research Experience for Undergraduates (REU)
- Preprocessed a large new educational software dataset (>1 million users)
- Developed a Python library for data interaction and analysis
- Conducted an exploratory study into cooperative student behaviors online and identified future research options
- Presented results to students, staff, and faculty in the North Carolina State Undergraduate Research Symposium

LEADERSHIP & COMMUNITY ENGAGEMENT

Math Tutor, Whitman College, Walla Walla, WA

2019–

Present

- Tutored 30+ students in Calculus I-III, Linear Algebra & Intro to Higher Mathematics by creating additional homework assignments and mini-lessons resulting in content comprehension and improved grades

Volunteer Grandchild, Whitman College, Walla Walla, WA

2018–

Present

- Provided companionship to local retirees in Adopt-A-Grandparent program through reading, playing games and engaging in light physical activity, improving retirees' overall fitness and mental agility

Team Leader, Whitman College, Walla Walla, WA

June–August 2019

- Collaborated with 3 Trip Leaders to carry out a week-long pre-orientation trip focused on teaching first-year students about issues related to homelessness and connecting them to local community partners