Sophie Groenwold

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EDUCATION

University of California, Santa Barbara — expected graduation June 2022

B.S. Computer Science
UC Regent's Scholar: recipient of merit-based scholarship awarded to 1% of UCSB's class of 2022
Honors College of Engineering: completion of annual community service and GPA requirements
Dean's Honors List: achieved for all quarters of study
Grace Hopper Celebration Scholarship: awarded on behalf of UCSB to attend GHC 19 in Orlando, Florida

EXPERIENCE

Guardian Life, *Software Engineer Intern* — June 2020 - August 2020

- Developed and standardized user provisioning requests using SQL, defining edge cases for future use
- Managed workflow metrics and visualization using Jira and Tableau for an Agile Release Train with 150+ members
- Ideated a gaming platform prototype with a team of interns for the company-wide Innovation Challenge, winning second place in a shark-tank-style presentation to company leaders
- Explored software development through an Agile lens by utilizing SAFe (Scaled Agile Framework)

UCSB Natural Language Processing Group, *Researcher* — October 2019 - present

- Research advised by Professor William Wang of the UCSB NLP Group with a team of other students
- Analyze the efficacy of state-of-the-art NLP technologies on variations of language
- Utilize libraries and frameworks such as Keras and Tensorflow with a focus on BERT and GPT-2
- Present findings through academic publications and poster presentations

UCSB Department of Computer Science, *Academic Tutor* — April 2020 - June 2020

- Tutored for CS24, a C++ based course that covers fundamental concepts such as OOP, dynamic memory management, data structures, and complexity analysis
- Worked one-on-one with students to demonstrate debugging, pair programming, and Git workflows
- Communicated with course staff for office hours, lab sections, and grading assignments

LEADERSHIP

UCSB Society of Women Engineers

External Vice President — February 2020 - present

- UCSB SWE's point of reference for professional communications
- Coordinate the annual SWE Evening with Industry, a networking event that brings together 100+ UCSB students and 15+ companies
- Organize information sessions and workshops that introduce SWE members to industry representatives

Outreach Chair — September 2019 - June 2020

- Coordinated and promote UCSB SWE's volunteer programs with the surrounding community
- Designed curriculum for STEM education with Girls Inc. of Santa Barbara
- Created imposter syndrome presentations with Dos Pueblos High School

Womxn/Hacks, *External Marketing Chair* — April 2019 - April 2020

- Marketed attendance to our hackathon by researching and reaching out to non-UCSB organizations
- Constructed social media presence by balancing presences on Facebook and Twitter
- Collaborated with members in logistics, hacker experience, finance, and graphic design to increase hacker registration by 150%

COURSEWORK

Object Oriented Design • Advanced Applications Programming • Data Structures and Algorithms
Data Science Applications & Analysis • Probability and Statistics • Linear Algebra • Vector Calculus

SKILLS

Languages: C++, Python, Java, SQL, HTML, CSS
Tools: Git, Vim, Unix, Springboot, Django, Travis CI, Latex, Jupyter Notebook, TensorFlow, VSCode
Practices: Agile, Test-Driven Development, Pair Programming

PUBLICATIONS

Investigating African-American Vernacular English in Transformer-Based Text Generation. Proceedings of Empirical Methods in Natural Language Processing (EMNLP) 2020.