Sophie Groenwold

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EDUCATION

University of California, Santa Barbara
expected graduation June 2022

B.S. Computer Science

EXPERIENCE

Twitter, *Software Engineer Intern*
June 2021 - September 2021
- Developed an API endpoint that serves internal campaign, line item, and other audit information for Ads management systems
- Built backend infrastructure for team-wide navigation to an API- and GraphQL-first architecture
- Collaborated with engineers across frontend and backend teams to define project requirements and dependencies

UCSB Natural Language Processing Group, *Researcher*
October 2019 - February 2021
- Research advised by Professor William Wang of the UCSB NLP Group
- Worked in computational social science by testing the efficacy of state-of-the-art NLP technologies on variations of language
- Utilized libraries and frameworks such as Keras and Tensorflow with a focus on BERT and GPT-2

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
- Explored software development through an Agile lens by utilizing SAFe (Scaled Agile Framework)

UCSB Department of Computer Science, *Academic Tutor*
April 2020 - June 2021
- Assisted students with core concepts such as object-oriented programming, data structures, and complexity analysis
- Worked one-on-one with students to demonstrate debugging, pair programming, and Git workflows
- Courses tutored: CS24, CS32 (C++)

LEADERSHIP

UCSB Society of Women Engineers
September 2019 - present

President
- Oversee all of UCSB SWE's professional development, outreach, fundraising, and social programs
- Strengthen our organization's relationship with the national organization and sections from universities across the country

External Vice President
- Coordinated Afternoon with Industry, a virtual networking event that brought together 100+ students and 12 companies
- Launched UCSB SWE's sponsorship program, furthering industry connections and providing funding for our organization

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

SKILLS

Languages: C++, Python, Java, SQL, Scala, Kotlin, HTML, CSS
Tools: Git, Vim, Unix, TensorFlow, LaTex, Jupyter Notebook, VSCode, Android Studio, IntelliJ
Practices: Agile, Test-Driven Development, Pair Programming

COURSEWORK

Object Oriented Design • Linear Algebra • Vector Calculus • Data Structures & Algorithms • Networking • Android Development
Data Science Applications & Analysis • Operating Systems • Advanced Applications Programming • Computer Architecture

PUBLICATIONS

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

AWARDS & HONORS

UC Regent's Scholar: recipient of merit-based scholarship awarded to 1% of UCSB's incoming class of 2022
UCSB CS Outstanding Undergraduate Research Award: awarded to my team and I for our work with the UCSB NLP Group
Honors College of Engineering: completion of annual community service and GPA requirements