Jacob van der leeuw
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EDUCATION
University of Arizona, Tucson, AZ
GPA: 4.0
B.S. Double Major in Mathematics and Computer Science   Expected May 2022

SKILLS

- Mathematics: Cryptography,Differential Equations, Formal Mathematical Reasoning and Writing, Linear Algebra, Calculus, Statistics, Discrete Mathematics
- Programming Languages: Python (Fluent), Java (Fluent), Javascript (Fluent), HTML/CSS (Fluent), PHP (Knowledgeable), C (Fluent), C++ (Beginner)
- Terminals/Workspaces: VS code, PyCharm, Eclipse, BlueJ, Git, Windows+Mac terminal, virtual machines

WORK EXPERIENCE

- **CyVerse:** Worked at CyVerse as an intern. This involved GitHub workflow configuration, unit testing, app construction in Python, algorithm implementation, and python module construction. One project involved developing a tkinter application for viewing, manipulating, and processing geotiff images to be overlaid on a map
  (March 2020 - Present)

- **Selenium:** Learned how to use and built applications via Python's selenium module for navigating websites, generating and parsing input, web scraping, and performing click events. Operations could take place via a headless or non-headless browser.
  (July 2020 - August 2020)

- **Tutoring**: Worked as a tutor for introductory Python and Java classes in projects ranging from small to large projects. Had both grading and tutoring shifts
  (September 2019 - November 2019)

- **Scripting for All**: Researched for Harvey Mudd College's computer science department which involved creating games, mazes, AI maze-solvers, and simulations in Python. The UI was via matplotlib and terminal depending on which a user chose. The purpose was for educators to implement these in their respective curriculums at the middle and high school levels.
  (June 2019 - July 2019)

- **Study Cloud**: Learned Git in order to help develop a website containing study materials for college student use. Worked on backend testing in order to make sure that GET, POST, and PUT requests were working. This involved JavaScript processing and sending errors based on user input
  (September 2018 - November 2019)