SAM PETERS

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EDUCATION

University of Oregon   Eugene, OR
B.S. in Computer and Information Science, Minor in Economics   Jan. 2019 - June 2022 (Expected)

- Overall GPA: 3.85
- Major GPA: 4.0
- Relevant Coursework: Data Structures, Intermediate Algorithms, Computer Organization, C++ & Unix, Intro to Software Engineering, iOS App Development

EXPERIENCE

Supplemental Instruction Leader for CIS210: Computer Science 1
University of Oregon   Jan. 2020 - Present

- Designed and ran structured study groups for CIS210 as part of a university program aimed at providing additional resources for difficult classes.
- Created practice problems and other collaborative activities aimed at reinforcing critical concepts in the class.
- Participated in weekly planning meetings and collaborated with university faculty, staff, and peer leaders to promote student success.
- Presented the program to a class of 100 students.

Learning Assistant for CIS122: Intro to Programming and Problem Solving
University of Oregon   Sept. 2019 - Dec. 2019

- Held office hours that improved the class's understanding of the computational problem solving process.
- Provided one-on-one help for students learning to program.
- Demonstrated how to investigate and fix runtime, logic, and syntax errors in Python.
- Practiced quickly interpreting and understanding unfamiliar code.

SKILLS

Programming Languages:	Python, C, JavaScript, Swift
Technologies and Frameworks:	Docker, Git, Flask, jQuery, PostgreSQL

PROJECTS

Spotify Sorter *Python, JavaScript, Flask, PostgreSQL, Docker*   http://sorter.sampeters.me/

- Website that creates awesome playlists out of a Spotify user's saved songs library.
- Using data from Spotify's API, algorithms group songs together based on attributes like acousticness, energy, and tempo.
- Uses jQuery to request and receive new playlists from the webserver, allowing the user to try out multiple options without reloading the page.
- Built with Docker so it's easily deployable in a wide variety of environments.

Recipe Saver iOS App *Swift*

- Helpful app that lets users save and view all the recipes they collect in one place.
- Includes an import feature that scrapes a recipe from a given URL for saving in the app.

Chess Bot *Python*

- Recursively searches ahead using a min-max algorithm with alpha-beta pruning, along with other optimizations, to find the perfect move in any position.

AWARDS

1st Place, 11th Annual University of Oregon Juilfs Programming Contest

University of Oregon Dean's List