Scott Ames

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EDUCATION

Northern Arizona University, Flagstaff, AZ
Bachelor of Science, Computer Science, Graduated May 2020 — GPA: 3.50
Honors:
- Dean's List Spring 2019
- VMWare Martin Casado Scholarship

Coconino Community College, Flagstaff, AZ
Associate of Science, May 2017 — GPA: 3.63

COMPUTER SKILLS

Languages: Java, Python, C
Web Development: HTML/CSS/JavaScript, Node.js, Express, Angular, Bootstrap, React, Vue, Nuxt, SQL, MongoDB, Sass, REST, axios,
Technologies: Git, Docker, npm/yarn, bash, zsh, homebrew, gem/ruby.

PROJECTS

Leaflet-planetary: Interactive Planetary Mapping Application: NASA/USGS sponsored senior capstone project to create a plugin and/or modify the source code for Leaflet.js to implement planetary mapping capabilities for bodies with varying radii. **Live demo: cartocosmos.github.io**

CartoCosmos Website: Created and maintain the website for the CartoCosmos team that created Leaflet-planetary. The website tracks the project's lifespan and includes team details, a demo of the project, and more. Created with Vue, Material-UI, and SASS. **Website URL: bit.ly/3fINbq5**

Operating System Simulator: Implemented in four parts, this project reads a configuration file that points to a meta data file holding an operation code list. Operations such as process running and terminating, peripheral input and output, and memory allocation are run at microsecond precision using multithreading.

Draw Stars: Python program which parses a star data set and accurately plots the night sky in a visual representation using turtle graphics.

Restaurant Website: Using the MEAN stack, designed a mock restaurant website alongside a full stack web design course taken in my spare time.

Distributed Transaction Server with Locking: Java-based transaction server using mutual and exclusive locking for read and write operations on a mock banking system.

EXPERIENCE

Teaching Assistant — **Northern Arizona University**
January 2019 - May 2020 — Flagstaff, AZ
Major duties include reviewing and grading student code while providing constructive feedback, assisting students with upcoming coursework and answering general questions during scheduled office hours, and proctoring examinations.

Restaurant Server — **Hiro's Sushi**
September 2015 - December 2018 — Flagstaff, AZ
High-end, busy establishment that required a high level of customer service and organizational skill.

INTERESTS

Learning new frameworks and languages, personal coding projects, planetary and deep sky viewing, camping, fishing, hiking, and learning about the universe.