Sean Stephens

(520) 370 - 7177 | **seanastephens@email.arizona.edu**

Education

University of Arizona   Expected Graduation in May 2017

Majors: Computer Science, Mathematics, Honors College

GPA: 3.95

Relevant Coursework (Completed by December 2015):

- Object Oriented Programming, Data Structures, Comparative Programming Languages,
   Data Visualization, Database Design, Systems for Interactive Data Analysis
- Linear Algebra, Real Analysis, Abstract Algebra, Partial Differential Equations, Topology

Skills

- Proficient in Java with JUnit as well as Python. Familiar with C.
- Familiar with web technologies, with significant experience using D3.js
- Proficient in UNIX environments

Work Experience and Research

Student Research Intern at Pacific Northwest National Laboratory   **2012–13, Summer 2014**

X-ray Computed micro-Tomography Technician/Data Analyst

Worked on over 15 scientific user projects; Responsibilities included analyzing and managing several terabytes of 3D x-ray data. Wrote python code and ImageJ macros to automate data processing.

Teaching Assistant, University of Arizona   **Jan. 2014 – Present**

Five semesters, assisting in courses using Java, C, and Python.

Directed lab sessions for 20-25 students. Was responsible for grading, instruction in group and individual settings, development of assignments, and holding office hours.

Research Assistant, University of Arizona   **Spring 2015 – Present**

Working under Dr. Carlos Scheidegger

Developed an interactive visualization tool for the University of Arizona Comparative Genomics research labs, and am currently doing development work for a multi-genome comparison visualization tool.

Other Activities

- First place finish among University of Arizona teams at the 2014 regional-level ACM International Collegiate Programming Competition, and second place finishes at two Microsoft code competitions.
- One year experience in science outreach through the College of Science Ambassadors program.
- Links to personal projects at seanastephens.github.io