

Sean Stephens

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Education

University of Arizona

Graduation in May 2017

Majors: Computer Science, Mathematics, Honors College

GPA: 3.93

Relevant Coursework (Completed by Summer 2016):

- Object Oriented Programming, Data Structures, Comparative Programming Languages, Data Visualization, Database Design, Networking, Automata and Formal Language Theory
- Linear Algebra, Real Analysis, Abstract Algebra, Ordinary Differential Equations, Topology

Skills

- Proficient in Java with JUnit as well as Python and C. Some experience with C++.
- Familiar with web technologies, with significant experience using Javascript and 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. Collaborated on the prototyping, benchmarking, and paper for an interactive data cube system designed for visualization applications.

Other Activities

- Third place finish at the 2015 regional-level ACM International Collegiate Programming Contest, among over 50 teams that participated in the Rocky Mountain region.
- Two years experience in science outreach through the College of Science Ambassadors program.
- Links to personal projects at seanastephens.github.io