

# Sean Stephens

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## Education

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### **University of Arizona**

Graduation in May 2017

*Majors: Computer Science, Mathematics, Honors College*

GPA: 3.9

Relevant Coursework:

- Algorithms, Compilers, Comparative Programming Languages, Data Visualization, Database Design, Networking, Automata and Formal Language Theory
- Linear Algebra, Probability, Abstract Algebra, Differential Equations, Topology

## Skills

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- Experience using Java, C++, Python, and Haskell.
- Familiar with web technologies, with experience using Javascript with D3.js and React.
- Very comfortable in UNIX environments

## Work Experience and Research

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### **Facebook Software Engineering Intern**

**Summer 2016**

Developed a data pipeline and asynchronous C++ client to improve cache warmup times for the Dragon graph query engine. Worked with several team members to integrate this pipeline with the existing system, augment operations tools to monitor it, and manage its production deployment.

### **Section Leader Coordinator, University of Arizona**

**April 2016 – Present**

Coordinated the University of Arizona undergraduate Computer Science section leader program. Organized and carried out interviews, training, and management for over 50 section leaders working for four different courses. Personally worked as a section leader for five semesters.

### **Research Assistant, University of Arizona**

**Spring 2015 – Present**

Developed an interactive visualization tool for the University of Arizona Comparative Genomics research labs. Collaborated on the prototyping, benchmarking, and publication for an interactive “data cube” system designed for visualization applications. Worked under Dr. Carlos Scheidegger.

## Other Activities

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- Third place finish at the 2015 regional-level ACM International Collegiate Programming Contest, among over 50 teams that participated in the Rocky Mountain region.
- Three years experience in science outreach through the College of Science Ambassadors program.
- Personal projects at [seanastephens.github.io](http://seanastephens.github.io)