Sean Stephens

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Education

University of Arizona   **Graduation in May 2017**

B.S. in Computer Science and Mathematics with 3.9 GPA

Highlighted Coursework:

- Compilers, Data Visualization, Interactive Data Analysis Systems, Algorithms, Database Design

Skills

- Experience using Haskell, C++, Python, Javascript, and Java in 1K-10K line codebases.
- Very comfortable with UNIX environments and version control.
- Familiar with Test Driven Development and tooling (Junit and googletest)
- One year experience participating in code review and git branching model workflow.

Work Experience

Facebook - Software Engineering Intern   **Summer 2016**

- Developed a data pipeline and C++ client to lower graph index warmup times by data pre-fetching.
- Built operations tools and procedures to manage this pipeline, and deployed it to production.
- Led recovery of the graph index service using this pipeline after a data integrity problem.
- Analyzed new use case for the service, and identified and fixed blocking performance problems.
- Participated in scrum-style daily stand-up, iteration planning, and incident review.
- Received full time offer.

Research Assistant - University of Arizona   **Spring 2015 – Fall 2016**

- Developed a visualization tool for the UofA Comparative Genomics lab.
- Continue to provide support for tool, which is used by 100's of biologists monthly.
- Worked on interactive visualization system capable of handling 100M point data sets.
- Co-authored paper describing this system, accepted at IEEE VIS 2016 Conference.

Section Leader Coordinator - University of Arizona   **Spring 2016 – Present**

- Coordinated the UofA undergraduate Computer Science section leader (preceptor) program.
- Conducted over 150 interviews.
- Trained and co-managed over 50 section leaders working for 5 different courses.
- Worked as a section leader for 5 semesters.

Other Activities

- Third place finish at ACM Collegiate Programming Contest, out of 50 teams in multi-state region.
- Three years experience in science outreach through the UofA College of Science.