

JESS SMITH

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github.com/smithjessk

EDUCATION

- University of Florida Honors College** Class of 2019
- B.S. in Mathematics GPA: 3.88 / 4.00
 - Relevant Coursework: Concurrent Programming · Computer Organization · Databases · Abstract Algebra · Linear Algebra · Mathematical Probability

EXPERIENCE AND PROJECTS

- Bloomberg L.P.** Software Engineering Intern May - August 2017
- Built C++ tool used by 100 engineers to test backend code and fix data errors in production, improving debugging time from 30 minutes to 20 seconds
 - Created method to dynamically rewrite routing rules to allow users to send data to any server
 - Implement defensive logging and global locking to prevent abuse and misuse of tool
- Google Summer of Code:** Contributor to Scala Coroutines May - August 2016
- Selected as one of 9 students to be mentored by the Scala organization
 - Implement use-cases of coroutines such as Async/Await and Enumerators
 - Identify and fix 5+ major bugs in transformation of code blocks
 - Increase testing by 30+%, documentation by 7x+
- Tera Insights:** Backend Developer November 2013 - December 2016
- Built 20% of a 10,000+ line Scala private cloud platform with public key cryptography and microservices
 - Built two-factor authentication server in Go capable of handling 1000s/requests per second
 - Discovered bottlenecks in system by building an actor-based stress test
- 123Flu:** Technical Lead April 2015 - September 2016
- Create Node.js back-end, React front-end for flu simulation game
 - Stabilize code by converting 4,000+ lines of Javascript to Typescript with extensive testing
- Fast Facts:** Lead Android Developer September 2015 - Present
- Design and develop medical reference app with 1,700+ installs across 80+ countries
- Univ. of Florida Computer Science Dept.:** Researcher June 2015 - Present
- Apply approximate query processing to iceberg queries, with paper to be submitted Fall 2017
 - Review papers for DaWak 2017

AWARDS

- Florida Incentive Scholarship Recipient 2015 - Present
- National Merit Finalist (top 15,000 scorer in pool of 1.5 million on 2013 PSAT) 2015
- AIME Qualifier (top 5% scorer) on AMC 12 2014

EXTRACURRICULARS

- Competing Member of Programming Team 2016 - Present
- Association for Computing Machinery 2015 - Present
- Open-Source Work (available at github.com/smithjessk) 2014 - Present