Ian**Riley**

undergraduate of computer science and mathematics

about

Tulsa, OK
918-978-0601

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github/ttowncompiled

programming

TypeScript, JavaScript,
Dart, Python, Go, Java

contributions

Angular
DefinitelyTyped
Rx
TypeScript

interests

software development, application framework development, software architecture && design patterns, language design, machine learning

education

'12-'16	**University of Tulsa**	senior of computer science and mathematics
	gpa: 3.47	

experience

'15	**Google MTV**	SWE intern on Angular

Designed and implemented the TacticalJS data persistence library for Angular. Tactical was my first attempt at creating the MVP for a new project using formal design patterns and techniques.

'14	**Google CAM**	EP intern on Pinpoint

Implemented an internal UI to improve the workflow for creating pipelines of structured data for search.This was my first opportunity to think critically about end user experience and test driven design

research

'13-'14	**RFID Research Grant**	academic research

Developed protocols to concisely and securely store standard adult vaccination information on 2000 bit RFID tags.

'13	**Tulsa Undergraduate Research Challenge**	academic research

Worked with a small team to design a dynamic risk access control system. This system extended the spatial access control model by employing PGMs such as Bayesian networks and Markov chains for decision making.

organizations

'14-'15	**Linux Users Group**	president

Conducted several meetings and headed a few projects over the course of the year which included research ventures into topics such as code reusability, workstation efficacy, net neutrality, and even bitcoins.

'13-'15	**Tulsa Web Devs**	member && contributor

Contributed to numerous local and national civic hacking events targeting areas such as local city organization, public health, and food equality.

'13-'15	**Association of Computing Machinery**	operations chair

Facilitated over two dozen lunch and learns, covering various topics, each year. I have also helped organize several collegiate and civic hackathons as well as have spearheaded a few extended hackathons focused on building code confidence in freshmen programmers.