

Siwei “Robert” Li

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EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
Bachelor of Science in Computer Science; GPA: 4.00 Expected Aug. 2016 – May. 2020

EXPERIENCE

- **Panasonic Automotive Systems** Peachtree City, GA
Software Engineering Intern May. 2017 - Aug. 2017
 - **Visualization:** Designed and developed an extensible React/Redux/Node/d3 visualization tool that allows users to config automated sequences that generate various analysis reports.
 - **Log Analysis:** Implemented a Java library that analyzes log files from in-vehicle infotainment systems; it is capable of reverse-engineering logs to UML Sequence Diagrams to facilitate testing and error detection.
- **Georgia Institute of Technology** Atlanta, CA
Undergraduate Researcher Dec. 2016 - Present
 - **Runestone Interactive Ebook:** Worked with Professor Mark Guzdial under an NSF-REU program improving an open-source K-12 interactive ebook platform teaching computer science; Created educational code-copying extension; Implemented ARIA Accessibility solutions.
 - **Argo Graph:** Working with Professor Polo Chau on developing large-scale interactive graph visualization tool based on the latest web technologies including WebGL.
 - **Smart Meter Data Analytics:** Working with Professor Polo Chau and Santiago Grijalva on an NSF funded project on developing web-based data-sharing platform for energy researchers using Smart Grid.

ACTIVITIES

- **HackGT** Atlanta, GA
Largest College Hackathon in the Southeast Dec. 2016 - Present
 - **Technology Team:** Developing open-source software for hackathon organizers, including sponsorship portal.
 - **Student Mentor:** Teaching computer science and web development through events for hackathon beginners and high school students in under-represented communities.

SELECTED PROJECTS

- **Code Speed Type:** Educational Chrome extension integrated with Github assisting memorization of algorithms.
- **Habit Pets:** PHP Habit-building web app integrating virtual pet games, to-do lists and daily tasks designed for kids.
- **Way-Vocab:** Vocabulary-building tool in Java Swing featuring flashcards, quizzes, and a unique transparent mode.
- **Beginners Cordova Tutorial:** Web tutorial using Sphinx teaching mobile app development from scratch.
- **V-Plate:** Voice controlled food delivery robot in Raspberry Pi 3 with an Android controller.

SKILLS

- **Languages:** Java, Python, JavaScript, C, C++, PHP, Bash, SQL
- **Web Development:** React, Redux, Node, Electron, CodeIgniter, HTML, CSS, JQuery
- **Mobile Development:** Android, Cordova/Phonegap
- **Miscellaneous:** Git, SVN, Docker, Linux, Sphinx, reStructuredText, Markdown, D3