

# Timothy T. Chen

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## SUMMARY

Motivated and ambitious recent graduate from Washington University in St. Louis with a B.S. in Electrical Engineering and minor in Computer Science, seeking a full time position. I am currently seeking a Full-Stack/Software Developer position, with prior coursework and work experience in software and hardware design. I have an undying passion for discovering and improving technological applications to bring positive impact to all individuals. Available August 2018.

## EDUCATION

### • WASHINGTON UNIVERSITY IN ST. LOUIS

St. Louis, MO

Bachelor of Science, May 2018, GPA: 3.51/4.0 (Major GPA: 3.71/4.0)

- Major in Electrical Engineering (Minor in Computer Science)

**Honors & Awards:** Eta Kappa Nu, Dean's List (Fall 2015, Spring 2016, Spring 2017, Fall 2017), Washington University Electrical Engineering Student Advisory Board

### Relevant Coursework:

- |   |                                |                        |
|---|--------------------------------|------------------------|
| • Introduction to Computer Science          | • Data Structures & Algorithms | • Communication Theory |
| • Object-Oriented Software Development      | • Discrete Mathematics         | • Signals and Systems  |
| • Rapid Prototype Development & Programming | • Digital Logic Design         | • Electronic Circuits  |
|   | • Computer Architecture        | • Optimization         |
|   | • Control Systems              | • Technical Writing    |
|   | • Robotics Dynamics            | • Engineering Ethics   |

## WORK & RESEARCH EXPERIENCE

### Strayos, Inc.

St. Louis, MO

*Full Stack Engineering Intern*

May 2017 – March 2018

- Implemented RBAC workflow within existing application using Angular2, Ruby on Rails, and PostgreSQL.
- Currently developing a new haul road product module involving 3D rendering and data analysis using OpenLayers, Three.js, and D3.js.
- Conducted unit-testing using Postman and Jasmine framework using the Angular CLI.
- Executed weekly deployments onto our AWS and Azure servers

### Sondare Acoustics Group, LLC

St. Louis, MO

*Electrical Engineering / Circuit Design Intern*

May 2017 – March 2018

- Wrote python scripts to provide real-time acoustic analysis and filtering using the MATLAB Engine API
- Worked with team of acoustic and mechanical engineers to design circuitry for the prototype of our patent-pending human echolocation device.

### Center for Ophthalmic Optics & Lasers

Portland, OR

*Summer Research*

June 2016 – August 2016

- Implemented and optimized MATLAB-based image processing scripts to improve resolution of newly developed optical coherence tomography (OCT) angiography scans under Dr. David Huang, MD.

## PERSONAL CODING PROJECTS

For Projects & Relevant Course work, view on Github @ <https://github.com/tch96>

- Projects include a C++ Poker program, NodeJS/Socket.IO bridge program, and more!

## SKILLS

**Strong:** Java, JavaScript, HTML, CSS, MySQL, Angular2, PostgreSQL

**Proficient:** PHP, C++, Python, MATLAB, React, Redux, Ruby on Rails

**Others:** Git, jQuery, MongoDB, Meteor.js, Node.js, Express, Socket.IO, AWS, Azure

**Hobbies:** Piano, Guitar, Basketball, Tennis, and Card/Board games