

Timothy T. Chen

913 Concordia Lane, Clayton, MO 63105 | timothy.chen@wustl.edu | (314) 401-9908

LinkedIn: <https://www.linkedin.com/in/tch96/>

SUMMARY

Motivated and ambitious graduating senior 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 Software Engineering position, with prior coursework and work experience as a hardware/circuit designer. 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
Candidate for Bachelor of Science, May 2018, GPA: 3.57/4.0 (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:

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

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

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