

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:

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|--|--------------------------------|--------------------------|
| • Introduction to Computer Science | • Data Structures & Algorithms | • Communication Theory |
| • Object-Oriented Software Development | • Discrete Mathematics | • Signals and Systems |
| • Rapid Prototype Development | • Digital Logic Design | • Electronic Circuits |
| | • Computer Architecture | • Optimization |
| | • Control Systems | • Multivariable Calculus |
| | • Robotics Dynamics | • Linear Algebra |

WORK & RESEARCH EXPERIENCE

Strayos, Inc.

St. Louis, MO

Full Stack Engineering Intern

May 2018 – August 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 Sensor Signal and Information Processing

St. Louis, MO

Undergraduate Researcher

August 2016 – May 2017

- Implemented and optimized matrix completion algorithms via MATLAB to extrapolate missing historical temperature values from known proxy data (tree ring radii) under Prof. Arye Nehorai

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