Timothy T. Chen

1140 Michillinda Ave., Arcardia, CA 91106 | timothy.chen@wustl.edu | (314) 401-9908
LI: https://www.linkedin.com/in/tch96/ | Website: http://www.timothytchen.com

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 (5x), Washington University Electrical Engineering Student Advisory Board

Relevant Coursework:

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

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.
- Developed haul road product module prototype 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