

Allen Zhou

Website: <https://allenzhou.me> | GitHub: <https://github.com/allenzhou101> | Phone: 817-374-0750

Email: Allen.Zhou101@gmail.com | Location: Southlake, TX 76092

OBJECTIVE: Seeking software or electrical engineering internship for summer 2020

EDUCATION

Bachelor of Science, Electrical and Computer Engineering

May 2023

- The University of Texas at Austin

EXPERIENCE

Freelance Website Developer

July 2018 – Present

- Current project: piskylene.com
 - Working with a \$600 budget to improve user experience and interface of a real estate company's website
- Developed websites through full design process: pitched ideas to clients, bought domains, negotiated pricing, incorporated Wordpress or started from scratch

Assistant Teacher, MS Wu Academy

June 2019 – July 2019

- Taught English to classes of 40 to 70 middle and high school students in Wenling, China
- Created and conducted interactive lessons to keep students engaged

President/Co-Founder, Science Research Association

August 2018 – June 2019

- Spearheaded the Carroll ISD district science fair; Made STEM presentations at local businesses
- Worked as a club to design and 3D-print name tags for senior citizens and Christmas ornaments for families
- Led club meetings and taught members Autodesk Inventor

Researcher, Governor's Science and Technology Champions Academy (GSTCA)

June 2018

- Full scholarship to attend residential summer camp at SMU and conduct electrical engineering research
- Mentor: Associate Professor Jennifer Dworak
- Developed cybersecurity system to protect hardware from intruders using FPGAs, Verilog, and locking segment insertion bits (LSIBs); hacked different circuit boards

Researcher, Bioengineering Department at UT Arlington

June 2017 – March 2018

- Research Title: 3D Printed Bone Scaffold
- Mentor: Professor Liping Tang
- 3D modeled femur and scaffold designs with SolidWorks; Ran SolidWorks simulation studies for stress and strain testing; Optimized bone scaffold design through porosity and mechanical strength balancing

PROJECTS

IOS Master Calendar **September 2019 - Present**

- Collaborating with one other team member to solve the problem of college club information aggregation
- Developing mobile application to make joining organizations easier
- Utilizing: Flutter, Balsamiq, Github

Astrophysics Website – <https://apalebluedot.world/> **February 2019 – April 2019**

- Created a website, titled "A Pale Blue Dot", focused on sharing my appreciation for astrophysics and astronomy
- Utilized: HTML5, CSS, Javascript, horizontal scrolling, particles.js, anime.js, Github

Article Publishing Platform – <https://verdantleaf.org/> **August 2018 – February 2019**

- Our team of 3 created the *Verdant Leaf* which published 30+ articles and received 3000+ pageviews
- Utilized: HTML5, CSS, Javascript, anime.js, Github

Concrete Canoe Embedded Sensors **August 2019 - Present**

- Working with members of the UT-ASCE Concrete Canoe Team to sense light during the canoe build process
- Utilized: Light dependent resistors (LDRs), Resistors, Batteries, Multimeter, Soldering

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SKILLS

Programming Languages – Proficient in HTML5, JavaScript, CSS, Java, Verilog. Experienced with Flutter, particles.js, anime.js, and jQuery.

3D Computer-Aided Design (CAD) Software – SolidWorks, Autodesk Inventor

Completed Online Courses

- Coursera: “Neural Networks and Deep Learning”
- Codecademy: “Learn Python”, “Learn HTML”, “Learn JavaScript”

ACCOMPLISHMENTS

Texas Science and Engineering Fair (Category: Biomedical Engineering)

- 2nd Place in Category Award (Senior Division)

Miles Foundation Discovery Opportunity Award

- \$1000 research grant

Texas Music Education Association (TMEA) All-Region Band: Wind Ensemble (1st)

1st Place US Youth Soccer Region III (South) Presidents Cup