Steven Vaught

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◈ Github.com/svaught598   ◈ Linkedin.com/in/steven-vaught

WORK EXPERIENCE

Accessibility Specialist | Aug 2020 – *present*

SeeWriteHear, LLC; Scottsdale, AZ

❖ Spearhead internal web-application development using Python, Django, and Vue.js to promote efficient workflows for authoring accessible content.

❖ Diagnose and patch bugs in XSLT-like template library purposed for thousands of daily media conversions, using SVN to version changes.

Graduate Physics Researcher | Aug 2018 – Jun 2020

Texas A&M University – Commerce; Commerce, TX

❖ Generated scripts with Bash & Python to analyze polymer fluorescence data, substantiating claims laid out in thesis and providing hundreds of results.

❖ Doubled productivity by accelerating fundamental approximations through developing a desktop application with Python.

Graduate Assistant Teacher | Aug 2018 – Jun 2020

Texas A&M University – Commerce; Commerce, TX

❖ Applied problem-solving skills to diagnose and correct a variety of issues with optical lenses, diodes, sensors, and small logic chips.

❖ Instructed/tutored in the following subjects: Quantum Mechanics, Classical Electromagnetism, University Physics 1 & 2, and General Physics 1 & 2.

SOFTWARE PROJECTS

Personal Website: www.svaught.com/ (for additional information & projects)

CHIP-8 Emulator | Github.com/svaught598/Chip8Emulator/
❖ Java implementation of the CHIP-8 virtual machine for 8-bit arcade games.
❖ Utilized: Java, Maven, JUnit, Swing, TDD, JSON serialization, Git

NES Emulator | *In Progress* **|** Github.com/Svaught598/cppNES/
❖ Software implementation of Nintendo Entertainment System Hardware.
❖ Utilized: C++, ImGui, OpenGL, Git

Markov Chain Sentence Generator | *In Progress* **|** Github.com/svaught598/Flaskov/
❖ Webapp that creates stochastic models from corpus text and uses them to generate sentences.
❖ Utilized: Python, Flask, Pytest, Vue.js, Travis CI/CD, HTML/CSS, Git

EDUCATION

Master of Science, Physics | GPA 3.65/4.00 **|** May 2020
  Texas A&M University – Commerce
Bachelor of Science, Physics | GPA 3.41/4.00 **|** May 2018
  Texas A&M University – Commerce

SKILLS

Technology: *(Proficient):* Python, JavaScript, Vue.js, Git *(Familiar):* React.js, SQL

Softer Skills: Ability to face ambiguous problems through to completion, Lifelong learner