VICTOR CHEN

(917) 346-8381 • vchen8761@gmail.com

www.victorchencs.com
www.github.com/vchen8761
www.linkedin.com/in/victorchencs

EDUCATION

UNIVERSITY OF RICHMOND | B.S. IN COMPUTER SCIENCE | MINOR: MATHEMATICS | OVERALL GPA: 3.50
August 2017 – May 2021
- **Relevant Coursework:** Data Structures, Discrete Structures, Software Systems Development, Algorithms, Computer Organization, Computer Networks, Artificial Intelligence

SKILLS

Languages: C++, C, Java, Python, JavaScript, HTML, CSS, SQL, MIPS
Tools/Frameworks: React, Node.js, Axios, Cheerio, jQuery, Flask, MongoDB, Bootstrap, Git, TensorFlow, Keras

EXPERIENCE

UNDERGRADUATE RESEARCH INTERN | UNIVERSITY OF RICHMOND
May 2019 – August 2019
- Designed a multi-agent system with an event-driven simulator in C++ to accurately recreate interactions between first-responders, bystanders, and active threats for law enforcement and campuses
- Utilized vector projections to detect virtual obstacle collisions and simulate line of sight

PROJECTS

QUARTERLY | JAVASCRIPT (REACT), BOOTSTRAP, HTML, CSS, CHROME API
May 2020 – Present
- A Google Chrome extension that reminds users to practice selfcare for posture, eye strain, and hydration
- Developed using React library, Chrome API for persistent and accurate alarm events, and Bootstrap with for a scalable front-end design

ACCESSIBLE SPELLBOOK | JAVASCRIPT, NODE.JS (ASK SDK), AXIOS, CHEERIO (JQUERY)
May 2020
- An Alexa skill that allows visually impaired users to query the web for Dungeons and Dragons 5th Edition spells simply by voice input
- Generates complete spell descriptions from all published sources by using the Axios and Cheerio npm modules to web scrape Wikidot articles

NEURAL STYLE TRANSFER | PYTHON, KERAS, TENSORFLOW, PYLAB
March 2020 – May 2020
- An application that allows users to accurately transfer the color palette and artistic style of anime faces onto human faces; developed to research the boundaries of what is considered a good dataset in ML
- Leverages a VGG19 based convolutional neural network from the TensorFlow Hub to perform fast and efficient style transfer, and visualizes a myriad of style variations on PyLab

COLLEGE READINESS INITIATIVE | JAVASCRIPT, NODE.JS, MONGODB, HTML, CSS, BOOTSTRAP
September 2017 – May 2019
- A SAT management and studying web application for non-profit tutoring
- Developed a database for accessing student and administrator credentials using MongoDB and leveraged Bootstrap to create a responsive multi-platform user interface

CODENAMES | JAVASCRIPT, HTML/CSS, BOOTSTRAP
December 2018
- A web application port for the popular party game, *Codenames*, developed using jQuery, Bootstrap, and hosted on Microsoft Azure.
- Won Best Team Program in a city-wide hackathon with 50+ people