




VICTOR CHEN

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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: Python, C++, Java, JavaScript, HTML/CSS, SQL

Tools/Frameworks: React, Node.js, jQuery, Flask, Bootstrap, Git, TensorFlow, Agile (Scrum)

EXPERIENCE

UNDERGRADUATE RESEARCH INTERN | UNIVERSITY OF RICHMOND

May 2019 – August 2019

- Developed an event-driven simulator in C++ to accurately simulate real time evacuation, chasing, and building clearing scenarios using a 3D model of university academic building
- Reduced minimum capital investment in crises training for law enforcement and college campuses
- Practiced Agile and Scrum software development with Trello in weekly sprints

PROJECTS

QUARTERLY | JAVASCRIPT (REACT), BOOTSTRAP, HTML, CSS

May 2020 – Present

- A Google Chrome extension that reminds users to practice selfcare for posture, eye strain, and hydration
- Developed in JavaScript using the React.js library, and integrated Chrome API for persistent and accurate alarm events and Bootstrap for a responsive front-end design

ACCESSIBLE SPELLBOOK | JAVASCRIPT, NODE.JS (ASK SDK), JQUERY

May 2020 – June 2020

- An Alexa skill that allows visually impaired users to query the web for Dungeons and Dragons spells
- Used Axios and Cheerio, DOM parsing npm modules, for web scraping and deployed to AWS Lambda for processing speech input and output

NEURAL STYLE TRANSFER | PYTHON, TENSORFLOW, PYLAB

March 2020 – May 2020

- A Python 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
- Leveraged a VGG19 based convolutional neural network from the TensorFlow Hub and Keras API to perform fast and efficient style transfer that visualizes a myriad of style variations on PyLab

COLLEGE READINESS INITIATIVE | JAVASCRIPT, NODE.JS, MONGODB, BOOTSTRAP, HTML, CSS

September 2017 – May 2019

- A SAT management and studying web application for non-profit tutoring
- Designed and developed a NoSQL database for accessing student and administrator credentials using MongoDB and Node.js, and used Bootstrap and JavaScript to create a responsive and fluid user interface

CODENAMES | JAVASCRIPT, HTML/CSS, BOOTSTRAP

December 2018

- A web application port for the popular party game, *Codenames*, developed using jQuery and Bootstrap; hosted on Microsoft Azure.
- Won 1st Place Team Hack at a state-wide hackathon hosted by Major League Hacking and GitHub