

Sam Kim

770.568.8575 • skim27@wustl.edu • seojinkim.me

EDUCATION

Washington University in St. Louis

Expected May 2023

B.S. **Computer Science** (Major GPA: 3.7)

Minor: **Environmental Engineering Science**

Relevant Courses:

> *Data Structures & Algorithms, Systems Level Programming, Introduction to Artificial Intelligence, Object Oriented Software Development Laboratory, Green Engineering*

SKILLS

Languages

> Java

> C/C++

> JavaScript

> Python

> HTML/CSS

> Swift

Technologies

> Django

> React

> Git

> REST

> Docker

> Vue 3

EXPERIENCE

Capital One | Richmond, VA

Jun 2021 – Aug 2021

Software Engineering Intern

- > Built an operational dashboard using Vue.js and Django as part of the Enterprise, Data, and Machine Learning team at Capital One. The dashboard will be used by more than 200 HR employees
- > Developed a slack chat bot that will promote Diversity, Inclusion, and Belonging within Capital One's working culture.

Tripwire | Greater Atlanta Area, GA

Feb 2021 – May 2021

Software Engineering Intern

- > Collaborated closely with senior engineers to develop and test security software suites
- > Implemented features that improved user experience such as Dark Mode and drag-and-drop modules
- > Wrote testing automation for new security software

Georgia State University AYSPS | Atlanta, GA

Sep 2019 – May 2020

Research Assistant

- > Analyzed a dataset of more than 600,000 observations
- > Wrote Python scripts to automate the data cleaning process
- > Received the Research Excellence in Economics Award for accelerating the project by 3 months

PROJECTS

Ray Tracer

July 2021-Present

Built with: JavaScript, HTML

- > Built a Ray Tracer from scratch using JavaScript and HTML Canvas
- > The Ray Tracer can currently render specular reflections, diffuse reflections, shadows, and refractions

Rate My Dining Hall

Dec 2020 - Present

Built with: Django, React, Python, JavaScript

- > Built web app for students to rate the quality of the food scenes around their campuses
- > Created APIs using the Django Rest Framework

Recipe Finder

Apr 2021

Built with: React, JavaScript, CSS, Edamam API

- > Created a react application that allows you to find a related recipe when an ingredient is searched
- > Utilized the Edamam API to query for recipes