

Joon Han

(440) 318-4895 • joon.han@richmond.edu

EDUCATION & HONORS

The University of Richmond, Richmond, VA Class of 2023

Graduation: May 2023

GPA: 3.62

Bachelor's in Computer Science and Music

Bonner Scholar

WORK EXPERIENCE

Markel Corporation, Software Engineer Intern

May 2022-August 2022

- Designed and implemented a Business rule engine that provides validation for business objects belonging to any of Markel's systems(Python, NoSQL). Worked in a team of 5 going through the full SDLC cycle. Wrote scripts to manage data and to optimize workflow using PowerShell on Azure through Nutanix Calm.

Bonner Center for Civic Engagement, Computer Graphics Intern

June 2021-August 2022

- Worked with a Non-Profit(OBOR) to create programs and interactive graphics to promote their 2021 book selection concerning Global Warming, and Women's History.

SKILLS

Languages: Python, C++, JAVA, Javascript, SQL, PowerShell, HTML/CSS, LaTeX, Swift

PROJECTS

Piano Precision

- Worked with a faculty to develop an application that visualizes essential aspects (such as the tempo) of a piano performance to help players receive objective feedback on their playing. Languages used: Python and C++.

Logisim evolution processor

- Built a working CPU processor that reads MIPS instructions using circuits on LOGISIM. I built a working ALU, register file and a control to take in data and store data. Languages used: C++

COMMUNITY INVOLVEMENT

RVA Future Center, Thomas Jefferson Highschool

- Volunteered as a staff assistant and assisted low-income and disadvantaged students apply to college and apply for financial aid and scholarships.

Youth Life, Richmond, VA

- Volunteered as a mentor to highschool students and prepared them for college and post secondary careers.