Jerry Gu

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Education

UNIVERSITY OF VIRGINIA   Charlottesville, Virginia
Bachelor of Science, Computer Science GPA: 3.82   May 2025
Relevant Coursework: Operating Systems, Algorithms, Linear Algebra

SEOUL NATIONAL UNIVERSITY   Seoul, South Korea
Study abroad coursework in the Department of Computer Science   February 2024 – June 2024
- Dispatched as a UVA International Studies Office videographer correspondent

Experience

UDig   Richmond, Virginia
Software Consultant Intern udig.com/business-case-templates   June 2023 – August 2023
- Collaborated in a team of five, including four interns, to design and build a public-facing web application from scratch
- Implemented AGILE framework, conducting daily standups and planning weekly sprints
- Presented weekly demos of application C-suite executives, incorporating feedback into iterative development
- Utilized a tech stack comprising of Typescript, React.js, GraphQL, Hasura, and PostgreSQL

Projects

Student Course Review App
- Designed and developed a class review application as a final project for Software Development Essentials course
- Engineered a 3-layer architecture pattern with JavaFX as presentation layer, Java for logic, and SQLite for backend

ShadowBox Mouse Trainer   jerrygu.itch.io/shadowbox
- Conceived original idea for a mouse coordination training game, identifying a need for such a tool
- Self-taught Unity and C# scripting to bring game idea to life, bringing new game to public

SplitBall   UVASGD/spring-2022-splitball
- Inherited single player game as a team of two to repurpose as a multiplayer offline competitive game within Unity Engine and C#

Personal Portfolio Website   jerry-gu.com
- Constructed a personal portfolio website leveraging React + TypeScript, and designed with Tailwind CSS
- Incorporated an email contact capitalizing on Formspree service to provide direct communication with visitors

Key Skills

Programming Languages: Python, Java, C, x86 Assembly
Frontend Skills: TypeScript, React.js, Tailwind CSS, JavaFX
Backend Skills: SQLite, Apollo GraphQL, Hasura, Java Database Connectivity, Hibernate
Misc: Junit Testing, Mockito, Git, Scrum, APIs
Spoken Languages: English (native), Spanish (working)

Activities and Leadership

Kendo Club at UVA – Travel Team Member   **January 2023 – Present**
- Compete on travel team to tournaments in traditional Japanese fencing in the Southeastern US Kendo Federation
- Achieved Second place in Annual Case Western Student Cup teams tournament

StarCraft at UVA – President   **November 2021 – Present**
- Founded and fostered community of over twenty members through mutual passion of StarCraft 2
- Organize and captain collegiate StarCraft 2 team competing in the Corporate Esports Association

YouTube   **July 2021 – Present**
- Produce video essays on competitive game and game design leveraging Davinci Resolve video editing software
- Accumulated over 130,000 views and over 10,000 watch hours since inception