Daniel Cho

sungmindancho@gmail.com   (773) 962-8356   linkedin.com/in/sungmindancho   github.com/dcho5

Programming Skills: Python, C/C++, Java, Linux, Git, Jenkins, x86, HTML, CSS, Android Studio

Education

University of Illinois at Urbana-Champaign - *Urbana-Champaign, IL*   *Grad. May 2022*
Bachelor of Science in Computer Engineering GPA: **3.62**

Relevant Coursework: Data Structures, Artificial Intelligence, Computer Security, Computer Systems Engineering, Algorithms and Models of Computation, Interactive Computer Graphics
Extracurriculars: SIGMobile, Gamebuilders, Covenant Fellowship Church

Experience

Software Engineering Intern (Cloud Build) - Red Hat   *May 2021 - Present*
- Improve Cachito - a source code caching service - in increments of two week Scrum sprints
- Fix issues addressed by stakeholders and test bug fixes in Jenkins test environment
- Implemented integration test to confirm successful caching of source code dependencies, one of the three main functions of Cachito
- Programmed Jenkinsfile to send notification to team members in case of unexpected failure in testing, staging, and production of Cachito

Web Development - Only1 Printers   *February 2021 - Present*
- Maintain website for a printing store which creates custom apparel, devices, and memorabilia
- Handle web development projects/assignments - currently building Only1 Printers' online catalog
- Produced the store website featuring an item catalog, navigable via menu buttons and search bar

Association for Computing Machinery - UIUC   *August 2019 - May 2020*
- SIGMobile - built a fitness social media application using Android Studio and GitHub on Linux
- Gamebuilders - collaborated to brainstorm, design, and create a 2-D video game on Unity

Private Tutoring - Independent   *August 2018 - Present*
- Offer comprehensive test preparation with specialization around the math section of the SAT
- Provide supplemental guidance of school materials ranging from math problems to English essays

Programming Projects

Linux Operating System - Class project   *available on GitHub*
- Developed an x86 based operating system which supports multiple terminals, user programs, system calls, file system, keyboard, and RTC
- Wrapped C system call functions within x86 linkage to transfer information to and from the kernel stack and the user stack

Professional Portfolio - Independent project   *dcho5.github.io*
- Designed an interactive online resume and portfolio with HTML and CSS from scratch
- Built with responsive web design - mobile friendly with altered functionality and aesthetics

Final Grade Calculator - Independent project   *available on GitHub*
- Created application that computes minimum final exam grade, given current grade, goal, weight
- Supports night and portrait mode which are included by newer models of Android smartphones

Awards: James Scholar Honors, Illinois Seal of Biliteracy (Spanish), Carol Rogal Memorial Scholarship
Languages: Korean (native), English (fluent), Spanish (conversational)
Hobbies: Powerlifting, Basketball, Singing, League of Legends, NFL