

Daniel Cho

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

Education

University of Illinois at Urbana-Champaign - Urbana-Champaign, IL *Grad. May 2022*
Bachelor of Science in Computer Engineering GPA: 3.64

Relevant Coursework: Data Structures, Artificial Intelligence, Computer Systems Engineering, Algorithms and Models of Computation, Analog Signal Processing, Digital Signal Processing, Differential Equations, Linear Algebra

Extracurriculars: SIGMobile, Gamebuilders, Covenant Fellowship Church

Programming Projects

Linux Operating System - Class project *available on GitHub*

- Developed an x86, linux based OS from scratch in a group of three over the course of eight weeks
- 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

Only1 Printers Website - Only1 Printers *available on GitHub*

- Designed a store website using HTML, CSS, and JavaScript, including an item catalog, navigable via menu buttons and search bar
- Future plans - implement payment systems and support account management for customers

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
- Will utilize JavaScript to incorporate personal project demos directly on the website

Final Grade Calculator - Independent project *available on GitHub*

- Application that computes minimum final exam grade, given current grade, goal, and weight
- Supports night and portrait mode which are included by newer models of Android smartphones

Experience

Web Development - Only1 Printers *February 2021 - Present*

- Create webpages for a printing store which creates custom apparel, devices, and memorabilia
- Handle web development projects quarterly - currently building Only1 Printers' website catalog

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*

- Comprehensive test preparation with extra specialization around the math section of the SAT
- Provide supplemental guidance of school materials ranging from math problems to English essays

Sunday School Teacher - Full Gospel Church of Love *September 2020 - Present*

- Supervise students from kindergarten through 8th graders during Sunday worship service
- Recite and explain Bible passages, create pop quizzes, help students memorize Bible verses

Awards: James Scholar Honors, Illinois Seal of Biliteracy (Spanish), Carol Rogal Memorial Scholarship

Languages: Korean (native), English (fluent), Spanish (conversational)

Hobbies: Powerlifting, Basketball, Music, Gaming, Watching football