Kabin Nam

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EDUCATION

University of California Berkeley, Berkeley, CA **Aug. 2015 – Dec. 2017**
Bachelor of Science in Electrical Engineering & Computer Science

EXPERIENCE

Codepath Cybersecurity Course **Feb. 2018 - Apr. 2018**

- Learned about computer security basics, mostly from a red-team point of view, through a 12-week course held at Facebook taught by CodePath.

Philp T. Weiss Design & Development **Jun. 2017 – Aug. 2017**
Electrical Engineering Intern

- Produced prototypes using Arduino, Raspberry Pi, Teensy LC, and ESP32 resulting in functional proof-of-concept devices to be primarily used in computer accessibility for severely disabled persons.
- Implemented PCB boards based off the Product Manager's designs using EagleCAD, to be used in improved and iterated product prototypes.

City College Academic Computing Resource Center **Aug. 2013 – Jul. 2015**
Computer Science Tutor

- Guided community college students, one-on-one and in-person, in learning to solve problems in C++ and Java programming languages, from introductory computer science courses to data structures.

U.S. Navy – USS FORD FFG-54 **Sep. 2008 – Sep. 2012**
Information Systems Technician – Petty Officer 2nd Class

- Maintained ship's intranet website, organizing and updating links to documents and the plan of the day, which disseminated the ship's agenda for the day and list of events.
- Fixed shipboard LAN of 70 Windows-operated desktop computers and servers providing on-site assistance to users

PROJECTS

Class Projects **Sep. 2015 - Apr 2018**

- **Email Survey Service**: MERN-stack Udemy course project. Followed Stephen Grider's course to get familiar with MongooseJS/MongoDB, Express, React/Redux, and NodeJS along with a few third-party APIs to build a sample paid survey emailing service.

- **Text Editor**: Focused on modularization and data structure efficiency, built text editor with basic functionality including word wrapping, clicking, and opening and saving text documents, using JavaFX and linked list data structure

- **Voice-Recognizing Mini-Vehicle**: As part of a 5-member team, my role was to implement the voice recognition module, from amplifying the electret microphone input by designing and Implementing an analog front-end circuit with LMC6482AIN op-amps, to coding the PCA classifications of the voice commands onto the MSP-430 microcontroller in C++.

TECHNICAL SKILLS

Python, SQL, HTML, CSS, JavaScript, C, C++, Java, Scheme, MIPS, Verilog, Git, Vim, Latex, Unix, Soldering, Multi-meters, Oscilloscopes, Spectrum Analyzers, EagleCAD, DipTrace, Cadence Spectre Circuit Simulator, PLECS, LabView, Matlab, FPGA, Microcontrollers, PCB Design, Embedded Systems