

Experience

Apple Senior Software Engineer – Cupertino, CA October 2022 – Present
Software Engineer – Cupertino, CA July 2018 – October 2022

- Tech lead for Home app redesign: led 11 engineers, design, presented exec demos, achieved on-time release
- Developing cutting-edge smart home technologies: control center redesign, Matter open standard, UI redesign, NFC locks, HomePod control, secure cameras, Wi-Fi security
- Patents: “Network Access Tokens for Accessories” (U.S. 11,483,708 and U.S. 12,256,223)

U.S. Air Force Reserve Intelligence Officer, Captain – Beale AFB, CA December 2019 – Present

- Managing 31 reservists, ensuring readiness, and leading intel activities part-time; Top Secret/SCI clearance
- Veteran, deployed in 2023 to command 37 analysts for NORAD and delivered two Presidential intel reports
- Awards: Air Force Reserve Intelligence Officer of the Quarter (2023)

U.S. Securities and Exchange Commission Policy Intern – Washington, DC August – December 2017

- Supported EDGAR financial system redesign program oversight for modernization, policy, and cybersecurity

Apple Software Engineer Intern – Cupertino, CA May – August 2015, 2016, 2017

- Developed and released the Home app in iOS 10-12; selected to present intern projects to SVP of Software

Education

U.S. National Intelligence University – Washington, DC August 2024 – Present

- M.S. in Science & Technology Intelligence with conc. in Emerging Technologies & Geostrategic Resources

Carnegie Mellon University – Pittsburgh, PA August 2014 – May 2018

- B.S. with University Honors in Electrical & Computer Engineering, International Relations & Politics
- Awards: Phi Beta Kappa honor society, University Honors Graduate, Dean’s List
- Activities: Student Senate (Vice President, Business Affairs Chair), Engineer Student Council, Astro Club
- Research: “Policy Implications of Scaling Low-Power Wide-Area Networks” at CMU Wireless Sensing Lab

Projects (full list: dgund.com/projects)

NASA Mars Ice Challenge (C++) 2017 – 2018

- Led computing and control systems team to develop robotic water extraction from martian subsurface ice
- Awards: Finalist, awarded \$10,000 to build and present the prototype to NASA Langley scientists (2018)

Virtual Monitor (C++) 2018

- Transforms any projected computer screen into an intuitive touchscreen interface using live depth-sensing

Carnegie Mellon Fair Ranked Voting (Python) 2016 – 2017

- Ranked choice voting software utilized for modernized fair and open-source student government elections

myRPS (Swift / Objective-C) 2012 – 2015

- At age 15, developed iOS app for direct communication from schools to families following Hurricane Irene
- Awards: U.S. Congressional App Challenge Winner (2014), Milton Fisher Scholarship for Innovation (2014)