Jack Dolan

Los Angeles, CANADA

dolan.jack.355@gmail.com

(203) 560-1717 | github.com/jack-dolan

Professional Skills and Qualifications

- **Languages:** Python, C, C++, SQL, HTML, CSS, JavaScript
- **Tools:** Windows, Linux, Git, DigitalOcean, Heroku, Docker
- US Top Secret Clearance
- Thorough problem-solving skills | Effective and professional communication | Eager to learn

Education

- **Georgia Institute of Technology** — Atlanta, GA
  M.S. in Computer Science; Current Cumulative GPA: 4.0 — *Jan 2019 - May 2022*
- **Boston University** — Boston, MA
  B.S. in Computer Engineering; Cumulative GPA: 3.04 — Sep *Sep 2012 - May 2016*

Experience

- **U.S. Air Force** — Los Angeles, CA
  Systems Engineering Lead Officer — July 2016 - Present
  - Managed $50M military / commercial hybrid satellite communication program
  - Government Lead for long-lead (2040) space communication experiments
  - Directed development of next-gen ASIC chips for GPS, incorporating warfighter requirements
  - Company Grade Officer of the Quarter (3Q 2017, 4Q 2018)
- **Sikorsky Aircraft** — Stratford, CT
  Program Management & Business Intern — May-Aug 2014 & May-Aug 2015
  - Maintained 30k+ item bill of materials for program management team of CH-53K helicopter
  - Tracked and projected program budget; made allocation recommendations to division leadership
  - Interfaced with contractors and customers to maintain accurate delivery dates
- **U.S. Air Force ROTC** — Boston, MA
  Cadet - Officer Training — Sep 2012 - June 2016
  - Supervised and led all ROTC courses and functions as Cadet Wing Commander
  - Developed and instilled leadership and team skills in myself and others
  - Cadet of the Year; Awarded for highest professionalism and leadership abilities (May 2016)
  - Academic Excellence Award (May 2013, May 2016)

Projects

- Reddit Bot *(Python)* — *2018*
  - Bot that translates post titles to three randomly selected languages, and then back to English
  - Built chat-based control mechanism via Telegram Bot API
  - Cloud-deployed app as a Heroku dyno
- Liquid Rocket Thrust Vectoring Firmware - Senior Capstone *(C, Python)* — *2015-2016*
  - Built and integrated multi-threaded firmware to handle I/O telemetry data and control two actuators to gimbal rocket engine
  - Python socket programming to interface firmware with rockets sensors via Ethernet
  - Awarded Boston University Electrical and Computer Engineering Design Excellence award