GRANT NAM

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EDUCATION

UNIVERSITY OF CALIFORNIA, DAVIS   **Davis, CA**
Bachelor of Science in Computer Science and Engineering   **Expected Graduation:** *December 2025*
- **Relevant Coursework**: Embedded Systems (Spring 2025), Operating Systems & System Programming (Winter 2025), Computer Networks (Winter 2025), Software Engineering (Winter 2025), Computer Architecture (Fall 2024), Probability and Statistical Modeling for Computer Science (Fall 2024), Programming Languages (Summer 2024), Algorithm Design & Analysis (Winter 2024)

SANTA MONICA COLLEGE   **Santa Monica, CA**
Associate of Science in Computer Science   *September 2021 – June 2023*
- **Honors**: Dean's List (Fall 2021, Spring 2022, Fall 2022)
- **Activities**: SMC Robotics Team

ROCHESTER INSTITUTE OF TECHNOLOGY   **Rochester, NY**
Bachelor of Science in Mechanical Engineering and Technology   *August 2015 – May 2019*

EXPERIENCE

SANTA MONICA COLLEGE   **Santa Monica, CA**
Supplemental Instruction Leader – Introduction to C++ Programming   *February – June 2023*
- Facilitated supplemental instruction sessions for C++ Programming students three times a week.
- Conducted midterm and final exam preparation workshops for students in assigned courses.
- Collaborated with the course instructor in weekly meetings to plan instruction materials and review course schedule.

DEFENSE COUNTERINTELLIGENCE COMMAND   **Uijeongbu, Republic of Korea**
Commander's Post   *January – July 2021*
- Served as sole coordinator of the unit commander's daily schedule and supplied related logistical support.
- Provided close operational support during commander's visits to other military units within our jurisdiction.
- Continued to serve as a translator and interpreter during joint operations with U.S. military counterparts.
- Mentored and advised junior administrative clerk, facilitating a smooth transition into the unit and enhancing efficiency within the cell.

Administrative Clerk   *January – December 2020*
- Maintained facility and logistics operations by conducting regular inventory checks and overseeing vehicle maintenance, ensuring operational readiness and resource efficiency.
- Organized unit schedules and drafted daily reports, streamlining communication, and enhancing operational coordination within the unit.
- Served as an English/Korean translator and interpreter for joint operations with the U.S. Army (2nd Infantry Division, Rotational Regiment), strengthening international military collaboration.

NOTABLE PROJECTS

Capstone: Davis Autonomous Racing Car   *February 2025 – Present*
- Integrate computer vision into racing car's autonomous driving system using a depth camera with LiDAR system.
- Conduct regular meetings with non-expert clients to deliver software-related updates and recommendations.

Strain Gauge Communication   *September 2024 – Present*
- Log analog signal from strain gauges to micro-SD cards using SPI communication for analyzing data.
- Transmit data to dashboard through Controller Area Network (CAN) communication protocol.

DISTINCTIONS

Skills: C/C++, Java, Python, Prolog, Haskell, MATLAB, STM32, Arduino, R-Studio, Git, Maven
Leadership: Defense Counterintelligence Command (Squad Leader), Davis Autonomous Race Vehicle (Project Manager), RIT Intramural Soccer (Team Captain)
Languages: Korean (Native)