Noah G. Dorfman

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US Citizen | Secret Security Clearance | www.noahgdorfman.com

Education

Georgia Institute of Technology | Atlanta, GA *August 2018 – Present*
Bachelor of Science in Computer Engineering, GPA: 3.3 Expected Graduation, December 2021

Rowan University | Glassboro, NJ *August 2016 – May 2018*
Dual-Enrollment Transfer with 30 Credit Hours, GPA: 3.6

Relevant Experience

Georgia Tech Solar Racing (Nationally Competitive University Team) (VIP Research) *Fall 2018 - Present*

- **President / Executive Board Member** *24/7 dedication*
  - Leading a radically growing, engineering project team of ~90 students
  - Actively pursuing improved sponsor relations resulting in an increasing, six-figure, annual budget
  - Coordinating team's second cross-country race – 20 days, 5000 miles, 16 students
- **Race Operations Director / Executive Board Member** *15 hours per week*
  - Developed strategy for 5 Mock Races with race teams of 10-15 members
  - Designed service to store JSON models on a server for GTSR's MATLAB strategy suite, SRsim
  - Organized Python refactoring of SRsim to improve manageability, usability, and performance
- **Powertrain Sub-team** *10 hours per week*
  - Responsible for one of the most efficient EV powertrain systems in the world
  - Designed a new CAN bus junction board to efficiently route the power train CAN line
  - Built a dashboard box from foam core and Kevlar polycarbonate to organize all low voltage systems
  - Designed a TIVA breakout / GPIO board for prototyping and testing of solar car electronics

Software Integration and Testing Engineer (Intern) *Summer 2019*
Lockheed Martin RMS (Moorestown, NJ) / AEGIS Radar MMSP Group *40 hours per week*

- Tested software changes for complex, signal processing architectures using BASH and C++
- Designed an Arduino-based radar and interceptor-missile system for a supplemental intern group project

Embedded System Game Project (Individual) *Spring 2019*
ECE2035: Programming HW/SW Systems (Georgia Tech) *5 hours per week*

- Designed and programmed fully functional role-playing game on MBED development kit hardware
- Implemented bonus features such as theme music, user configurable settings, and advanced graphics

LEGV8 Processor Design Project (Small Team-Based) *Spring 2018*
Computer Architecture Course (Rowan University) *5 hours per week*

- Designed a functional processor using a subset of ARM processor instructions to run on a DE0 FPGA Board
- Implemented the data path, control unit, and all individual components (memory, program counter, ALU, etc.)
- Lead group, delegating individual task assignments to 3 team members

Advanced Coursework

Software: Objects and Design (A), Designing Operating Systems (Spr '21), Intro to Machine Learning (Spr '21)
Hardware: Physical Foundations of Comp. Eng. (A), Math Foundations of Comp. Eng. (B), Intro to Computer Architecture (A), Advanced Computer Architecture (Spr '21), Computer Communications (Spr '21)

Skills

Software: C/C++, Python, Java, Assembly, Web Development, Linux, Git, Unity
Hardware: Embedded Systems, Arduino, PCB Design, Soldering, Benchtop Equipment, Verilog, FPGA
Wetware: Project Management, Technical Reports, Datasheets, Schematics, Public Speaking, Event Logistics