

JUSTIN ADAMS

Burlington, VT 05401

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PROFILE

Electrical Engineer with 3 years of project management experience in medium-sized business operations and experience acting as an international liaison to the Republic of Korea. Received a Bachelor of Science in Electrical Engineering with honors, continued to research trends in mathematics and computation through the Institute of Electrical and Electronics Engineers' (IEEE). Currently studying Computer Science at the University of Vermont with a focus in Machine Learning, Artificial Intelligence, and Quantum Computing. Seeking a motivated research team to improve electrical design, computational skill, and quantitative reasoning.

EDUCATION

University of Vermont Burlington, VT

June 2018 – Present

- Developing a quantum-based operating system to improve computational performance and linear differential equation solvers
- Developed a NP Hard reduction of the three-color map graph theory problem using a Quantum Computer in Melbourne, Australia
- Proved a faster algorithm, which eliminates pre-sorting, for calculating the minimum Euclidean distance

University of Vermont Burlington, VT

January 2011 – June 2014

Bachelor of Science in Electrical Engineering

- Recipient of the Irving Lisman Scholarship for superior academic performance from non-traditional students
- Recipient of the Reserve Service Member Scholarship for outstanding leadership, academic performance, and military decorum

ELECTRICAL ENGINEERING PROFICIENCIES

VLSI	ASIC Production Processes	LabView Systems Engineering
Digital Design	Analog Circuit Production Processes	FPGA Programming & Design
Solid State Chemistry Simulation (Q-Chem)	Reactive and Fresnel SNR Analysis	Numerical Method Applications in CS
Qiskit Application Development	KiCad	Numerical Method Applications in EE
MongoDB Data Analytics	LTSpice (digital) / PSpice (analog)	Numerical Method Applications in QC

PROFESSIONAL EXPERIENCE

U.S. Army Fort Hood, TX

October 2014 – June 2018

Project Manager & International Liaison

June 2017 – June 2018

- Managed projects and enforced safety standards for 500 personnel and the assets of a \$232,000,000 organization
- Served as the primary point of contact and planner for international operations in the organization
- Prepared publications to develop mutual understanding of corporate operations and inspire international collaboration
- Provided recommendations on employing the assets and personnel of a large-sized business valued more than \$3 billion to executive level management in accordance with international conventions and internal standard operating procedures

Operations Supervisor

November 2014 – June 2017

- Supervised forty employees; motivated, instructed, trained, and directed them in conduct of land warfare operations for 32 months
- Provided guidance, enforced safety standards, trained personnel on maintenance procedures, and maintained accountability of \$23,000,000 of U.S. military equipment over a three-year period

Aurora North Software Burlington, VT

June 2014 – October 2014

Implementation Engineer

- Designed a program module that creates logic diagrams for technical documentation using session layer logic as an input and Microsoft Publisher as an output. The program saved two hours per logic diagram totaling 1000+ hours saved per year.

MEMBERSHIPS

Institute of Electrical and Electronics Engineers (IEEE)

June 2014 – Present

Habitat for Humanity Volunteer

June 2014 – Present

USO Volunteer

June 2014 – Present

REFERENCES

JUSTIN CLAY ADAMS

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University of Vermont

Nick Hella

Computer Scientist – Marvell Technology Group

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United States Army

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Aurora North Software

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Implementation Engineer

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