

Kevin Egedy

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Education

Master of Science Electrical Engineering (3.8)
Bachelor of Science Electrical Engineering

University of Washington 2022
University of Michigan 2014

Certifications

Machine Learning
Embedded and Real-Time Systems

University of Washington 2021
University of Washington 2020

Experience

Software Engineer | AT&T 03/2020 - 10/2021

- Minimized development effort by moving on-premise apps into Azure and templating pipelines
- Compared and justified internal apps by building website to rank costs, impact, and user engagement
- Reduced and simplified infrastructure by documenting best practices and showcasing examples

Application Developer | AT&T 03/2017 - 03/2020

- Conveyed new insights by visualizing network performance and resulting customer impact
- Shortened time to deploy macro sites by analyzing approval stages and efficiently spending capital
- Improved customer experience by identifying sites needing additional spectrum using Python scripts

Radio Access Network Engineer | AT&T 01/2015 - 03/2017

- Enhanced customer relations by inspecting on-site installations and locating network degradation
- Identified sources of failure using spectrum analyzers and proposed solutions with design engineers
- Simplified radio parameter deployment and reduced sites out of compliance using Python scripts

Projects

Radio Frequency IC | University of Washington 09/2022 - 12/2022

- Designed and simulated 2.4GHz WiFi receiver including LNA, mixer, and VCO
- Optimized system tradeoffs in noise, linearity, and power using 65nm technology
- Analyzed challenges in component integration and system response to 50dB interferers

Linear IC | University of Washington 01/2022 - 04/2022

- Designed and simulated PTAT current driver for low power neural electrodes
- Achieved gigaohm output impedance with 1kHz bandwidth using gain boosted cascode
- Analyzed nonideal biasing circuits and amplifier limitations in stability, output swing, and power

Advanced Robotics Club | University of Washington 12/2020 - 12/2022

- Built and tested power system with wide range performance for brushless DC motors
- Limited transients and steady state ripple by implementing ICOV control on buck converter
- Enabled larger loads and regenerative energy by integrating ultracapacitors with power supply

Skills

Cadence HSPICE Altium Python C LTspice MATLAB Simulink Linux Verilog

Coursework

Analog Sensor Circuits	Control Systems	Digital Communication	Digital Signal Processing
Linear IC Design	Microwave Engineering	Power Electronic Design	Radio Frequency IC