

Matthew D. Foreman

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EDUCATION	<i>Bachelor of Science, Electrical Engineering</i> Washington State University, Pullman, WA	May 2019
RELATED COURSEWORK	<i>Electronics</i> - Fundamental device characteristics including diodes, MOSFETs and bipolar transistors; small- and large-signal characteristics and design of linear circuits <i>Electrical Circuits I/II</i> - Linear circuit analysis; models of electric components; state space analysis, Laplace transforms, network functions, frequency response, Fourier series <i>Electrical Engineering Lab</i> - Experiments in electrical circuits, measurements and electronics, principles of measurements and measuring instruments <i>Microprocessor Systems</i> - Microprocessor system architecture, instruction sets, and interfacing; MIPS Assembly <i>Data Structures</i> - Advanced programming techniques: data structures, sorting and searching; C/C++	
SKILLS	SMD Soldering/Rework, Microcontrollers, PCB Routing and Design, 3D Design, Public Speaking	
PROFESSIONAL EXPERIENCE	Electrical Engineering Consultant <i>OptoKnowledge Systems, Inc, Los Angeles, CA</i> <ul style="list-style-type: none">• Designed and implemented 'multiple UAS/single computer' prototype platform• Built, maintained, and operated prototype airframes• Worked virtually unsupervised at satellite location while maintaining all deadlines R&D Engineering Intern <i>Digilent Inc, Pullman, WA</i> <ul style="list-style-type: none">• Participated in design of new products• Designed test equipment and software for new products• Facilitated engineers with daily tasks Teaching Assistant <i>Microprocessor Systems, WSU</i> <ul style="list-style-type: none">• Engaged and taught students during lab times• Graded and provided feedback to students on quizzes and assignments Undergraduate Research <i>Intelligent Robotics Learning Laboratory, WSU</i> <ul style="list-style-type: none">• Operated multi-rotor hardware for use in autonomous research• Performed necessary adjustments and maintenance to ensure equipment efficiency• Learned proper operating procedures to ensure equipment efficiency and safety Military Logistics/Supply Technician <i>Active Duty - United States Air Force</i> <ul style="list-style-type: none">• Supervised satellite work centers, enforced compliance of operating parameters• Ensured proper procurement and handling of \$16+ million dollars of essential jet aircraft parts• Confirmed accurate storage/handling of high security assets• Verbally briefed senior management daily on status of asset procurement	May 2016-Jul 2017 Mar 2015-Jul 2016 Jan 2015-May 2015 Jun 2014-Jul 2017 Feb 2008-Aug 2013
LEADERSHIP / ACTIVITIES	Treasurer , WSU Robotics Club Vice President , WSU Robotics Club Taught lessons on 3D modeling, microcontrollers, circuit design, and soldering Team mentor for Battle Robots project WSU 'Hackathon' 2015, Finalist Helped host Girl Scouts outreach events (Fall 2015 and 2016)	Aug 2015-Jul 2016 May 2014-Aug 2015