

Damon Georgiou

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EDUCATION

University of Rhode Island, 2017

B.S. in Electrical Engineering | GPA: 3.71 | Summa Cum Laude

WORK EXPERIENCE

Software Developer, Entrepreneur. 4/18 - Present

Native Android, Native iOS, and Web software development, producing over 5 mobile applications and 2 web applications, combining for over 100 views and downloads. (*Java, XML, Swift, HTML, CSS, JavaScript*)

Software Consultant, University of Rhode Island. 3/19 - 5/19

Short-term consultation for a project with ON Semiconductor, providing leadership and experience to a team of students. (*MATLAB*)

Electrical Engineer Intern, Electro Standards Laboratories. 6/17 - 4/18

System design and development for the feedback module of a low-cost prosthesis. Selected components following soft specifications. Designed schematic with components including an MCU, an LDO Voltage Regulator, transistors as switches, and a JTAG interface. Developed firmware through JTAG interface, utilizing the microcontroller's ADC's and Timer's to read from analog sensors and convert them to PWM output signals. Optimized power consumption by utilizing interrupts and the micro's low-power API. Fixed flaw in senior engineers JTAG interface design and worked with manufacturing to correct the issue on the PCB. (*C*)

Teacher's Assistantship, University of Rhode Island. 9/16 - 6/17

Linear Circuits Lab. Assisted students in solving lab-related exercises, building and debugging circuits, and interpreting the results. Graded lab and homework assignments. (*PSpice*)

PROJECTS

Alert System, Personal Project. 2019

Alert system for stroke patient, allowing patient to alert caretaker with the push of a button. Client-server networking architecture with TCP/IP communication using Sockets. Raspberry Pi running Embedded Linux for both client and server. 3D printed casing for components. (*C, Raspberry Pi*)

Low-Cost Human Machine Interface, Sponsored by Siemens, Norwood, MA. 2016

Individual responsibilities included: Bluetooth, Wifi, Ethernet, USB/I2C/SPI/GPIO interfaces. Led six-member multidisciplinary team.

Low-Cost Brain Computer Interface, Personal Project. 2016

Developed code to take EEG data as input and actuate LED's based on user's mental state. Accelerometer was used to switch between LED's. (*C, Arduino*)

Automated Food Dispenser, URI Microprocessors Course. 2014

Developed code to sense from load cell and actuate servo motor for automated food dispenser. Components included Arduino, Wifi shield, web page, servo motor, and load cell. (*C, Arduino*)

TECHNICAL SKILLS

Computer Languages: C/C++

Hardware: MSP430, Raspberry Pi, Arduino, 3D Printers, FPGA

Courses: C Programming, Embedded Systems, Computer Networks, Software Engineering, Machine Learning Crash Course

AWARDS, HONORS, AND EXTRACURRICULARS

- Tau Beta Pi, National Engineering Society
- CITI Group 2 and CITI RCR Certified
- Self-taught guitar and piano
- Scholar-Athlete Award, CCRI
- Athletic Scholarship, CCRI
- Soccer: CCRI; RI Rams (C); Bayside FC (C)