SAM PUTNAM

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EDUCATION

August 2016 — **TUCK SCHOOL OF BUSINESS AT DARTMOUTH** — Hanover, NH
Tuck Business Bridge Program
- Honed goal seek/breakeven analysis, data table/what-if analysis, and optimization methods
- Worked with a non-engineering team to valuate a public company by projecting future earnings, building a discounted cash flow analysis, and presenting results to executives

July 2016 — **MAKE SCHOOL** — New York, NY
Accelerated iPhone Apps Program
- 1 of 4 students advanced to accelerated program after demonstrated command of OOP

Relevant Course: Networking (Backend, Cloud Deployment)

2010 – 2014 — **UNIVERSITY OF VERMONT HONORS COLLEGE** — Burlington, VT
Bachelor of Science, Electrical Engineering, 3.6
- Five percent of applicants are accepted to the Honors College
- Winner of the Senior Award, given to the top student in Electrical Engineering

Relevant Course: System Theory (Sparse Sampling, K-Means, PCA)
Relevant Course: Digital Signal Processing (Random Processes, Kalman Filter)
Relevant Course: Applied Probability (Bayesian Inference, Distributions)

EXPERIENCE

May 2016 – June 2016 — **INDEPENDENT CONSULTANT** — Hanover, NH
Mobile Developer, 4G Color, LLC, Mobile Application Company
- Saved a video frame array shifted by analytic function transforms in Objective-C

Nov 2015 – Apr 2016 — **OPTICS IN MEDICINE LAB** — Hanover, NH
Research Engineer, Dartmouth College
- Acceleratated Labview tumor margin assessment software by a factor of 4
- Wrote image processing temporal median filter in Matlab with the startup *DoseOptics, LLC*

Dec 2014 – Aug 2015 — **PUTNAMHOLSON, LLC** — Quechee, VT
Web and Mobile Researcher, Application Company
- Made pull requests merged as commits to a Google open-source real-time backend project
- Published internal Java, Django/Python, JavaScript, and full stack modern dev guidelines

Aug 2014 – Sep 2014 — **LAB FOR COGNITION AND CONTROL IN COMPLEX SYSTEMS** — Gainesville, FL
Graduate Research Assistant, University of Florida
- Detailed data center speed scaling limits to win Faculty Google Research Award in CS

June 2014 – July 2014 — **ENERGY SYSTEMS INTEGRATION CENTER** — Golden, CO
Research Intern, National Renewable Energy Laboratory
- Formulated stochastic MILP solver and used R to find economic cost of volatility forecasting

May 2013 – May 2014 — **ENERGY AND COMPLEXITY LAB** — Burlington, VT
Undergraduate Researcher, University of Vermont
- Built large-scale Markov Chain/Finite State Machine algorithm based on TCP/IP in Matlab

OTHER

- Senior Resident Advisor and Undergraduate Resident Advisor for honors dormitory of 200
- Representative for Electrical Engineering students in hiring UVM CEMS Dean and Faculty
- C++ coder for touchscreen UI/X and Assembly/C coder for arbitrary waveform generator