

Adam Bloom

Denver, CO

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EXPERIENCE

ViaSat, Inc.

Systems Engineer

Denver, CO

January 2016 — Present

- My team seeks to improve the experience of our customers by increasing the capacity of our Exede internet network

Communication Systems Engineering Intern

Summer 2014

- Developed carrier power monitoring system for the physical layer of the Exede network, allowing for automated data collection, historical trending, and automated alerts to prevent outages for 685,000 subscribers.

Electrical and Computer Engineering Department, Rice University

Houston, TX

Introduction to Computer Engineering Course Assistant

January 2013 — May 2015

- Incorporated TI MSP430 microcontrollers deeper into the curriculum with the goal of having each student purchase a LaunchPad in lieu of a textbook, which could lead to personal projects after completion of the course
- Coached twenty students in digital logic, state machines, assembly and C programming
- Assisted students with two larger projects: an FPGA calculator (using Quartus) and an ISA simulator (in CCS)

Fundamentals of Electrical Engineering Course Assistant

Fall 2013

- Guided a group of five students through the successful completion of their problem sets by teaching introductory system theory, circuit theory, Fourier analysis, and information theory

McMurtry College, Rice University

Houston, TX

Student Maintenance Representative

August 2014 — May 2015

- Assist students living in 240-room residential building with any maintenance concerns
- Communicate housing policies and other pertinent information to fellow students

Faculty Master Search Committee Chair

September 2014 — December 2014

- Oversaw search for next faculty Master: solicited applications from faculty, conducted interviews, planned mixer events with students, solicited feedback from students, presented recommendation to Dean of Undergraduates
- Selected other students as committee members, organized meetings, communicated with committee and college

Internal Vice President

February 2013 — February 2014

- Managed on-campus housing eligibility and assignments for a building housing 324 students.
- Improved room selection process for returning students to increase predictability and alleviate drama and tension
- Oversaw six committees and multiple representatives, assisted each with event planning and budget management

Camp Nebagamon for Boys

Lake Nebagamon, WI

Senior Cabin Counselor

Summers 2010 — 2013, 2015

- Supervised and ensured wellbeing of small groups of boys for 4-8 weeks
- Mentored new staff members, teaching them counseling skills and assisting with difficult situations
- Created new curriculum for the orienteering program to better integrate GPS technology with map and compass skills and trained staff members in teaching methods

EDUCATION

Rice University

Houston, TX

Master of Electrical Engineering

December 2015

Bachelor of Science in Electrical Engineering, *Cum Laude*

May 2015

HONORS AND AWARDS

Awards	Burt and Deedee McMurtry Award for service to McMurtry College	2015
	Rice Engineering Alumni Distinguished Leadership Excellence Award	2015
	Bill Wilson Prize for Best Electrical and Computer Engineering Design	2015
	Chevron Scholarship	2014
	Barbara Long Chilton Memorial Award for STEM majors involved in theater	2012
Honor Societies	Tau Beta Pi, Inducted Texas Gamma chapter	2014
	IEEE-HKN, Inducted Theta Rho chapter	2014