TAYLOR H. ANDREWS

EDUCATION

Massachusetts Institute of Technology   Cambridge, MA
School of Engineering & Sloan School of Management   September 2016 - Present
M.S., System Design and Management

Worcester Polytechnic Institute   Worcester, MA
School of Engineering   September 2008 – May 2012
B.S., Computer Science, Minor in Music
• Graduated with Highest Distinction, Upsilon Pi Epsilon (Computer Science Honor Society) Vice President

EXPERIENCE

VMware   Cambridge, MA
Core Hypervisor / Virtual Machine Monitor group   May 2012 - Present
System Software Engineer II
• Implemented virtual x86 Graphics Address Remapping Table (GART) hardware
• Lead contributor to virtual x86 performance counter hardware platform
• Active contributor to hardware virtualization drivers and virtualization hardware virtualization (nested VM support)
• Led bring your kids to work day's server disassembly / reassembly event

Microsoft   Cambridge, MA
App-V (Application Virtualization) group   September 2011 – December 2011
MQP Intern
• Selected for WPI's first capstone project collaboration with Microsoft
• Member of three-person team that created prototype JS/HTML5 webapp (under NDA)

VMware   Palo Alto, CA
Core Hypervisor / Virtual Machine Monitor group   May 2011 – August 2011
Intern
• Designed and implemented k-means clustering algorithm based guest operating system performance analysis tool

Worcester Polytechnic Institute   Worcester, MA
Computer Science Department   September 2010 – May 2012
Undergraduate TA
• CS lab/conference TA for Operating Systems, Software Engineering, and Scheme classes

Stratus Technologies   Maynard, MA
Windows ftServer (fault tolerant hardware) group   May 2010 – February 2011
Co-op / Part-time Software Engineer
• Member of four-person team that successfully designed and prototyped PCI-e non-transparent bridge FPGA
  implementation for tripling memory copy speeds in Stratus ftServer
• Rewrote some WinDBG extensions for reverse x86 page walks

NOTABLE PROJECTS AND ACCOMPLISHMENTS
• Douglas High School Class of 2008 Valedictorian
• Awards for individual contributions as well as team leadership in undergraduate Software Engineering classes
• Java-like language undergraduate compiler – member of one of two teams to receive full score
• Recycled Arcade Machine – full-size, backlit arcade machine with full case art, built from 100% salvaged materials
• Algorithmic Music Composition and Large-Scale Sound Installation Design – wrote software to compose music
  from real-time data (such as stock market values) and constructed full-scale psychoacoustic art installation (WPI)
• Douglas High School 3D Walkthrough – High school senior project; a customizable, first person, 3D virtual model
  of the high school http://tinyurl.com/q7xrnxz
• Franken-VM - A 36-hour VMware hackathon featured project: "Distributed Memory Hypervisor"

HOBBIES
Technology, home automation, guitar, ukulele, darts, cards, table tennis, fishing, hiking