

JONATHAN BLAKE BRANNON

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M.S. Electrical & Computer Engineering • Georgia Institute of Technology • GPA 3.75 (Fall 2007)

B.S. Electrical Engineering • Georgia Institute of Technology • GPA 4.0 • **2007 Outstanding Scholar Award**

SKILLS

Computer

- VHDL, Assembly, Matlab, Java, PHP, HTML, CSS, VBA, Windows, OS X, Linux, AutoCAD, Maple, MathCAD, PSPICE, MultiSIM, NI LabView, Microsoft Office, VMware, SAP
- Created data recovery lab and designed, serviced custom computer workstations and servers

Network Knowledge

- Security knowledge (Linux, Windows, Unix), OSI, TCP/IP, 802.11, architectures
- Experience configuring network services: FTP, SSH, Telnet, Printer Sharing, Web Server, VNC, Routers

Leadership Skills

- Led cross-functional team, Siemens
- Coordinated design, assembling of Siemens VL demonstration kits
- Self initiative to redesign product pricing guide, Siemens
- Led webpage design for Combustion Turbine operation status, TVA

Communication Skills

- Toastmasters, recognized for outstanding speech and presentation skills
- Top 10 finalist, 2004 IEEE SECON paper contest for excellent written skills

PROFESSIONAL EXPERIENCE

Georgia Institute of Technology, Atlanta, GA – *Research Assistant, Projects*

2004 to Present

Research Topics Include

- 802.11p Wireless Co-channel Interference Research
- VoIP Network Capacity Simulation & Wireless Networking Algorithms (Infrastructure, Ad-hoc, Sensor)
- WiFi/Bluetooth Communications Controller
- Fiber Optic Coupler
- VHDL Sonar Tracking Robot

Siemens, Norcross, GA – *Product Management, Marketing Intern*

Summer 2007

- Reconciled data discrepancies as part of a team
- Created promotional material
- Selected to represent Siemens at Internship Experience

Tennessee Valley Authority, Jackson, TN - *EE Intern*

Summer 2004, 2005

- Performed functional test on 161kV breakers
- Conducted energy audit
- Conducted troubleshooting analysis

Jackson Energy Authority, Jackson, TN - *EE Intern*

Summer 2003

- Designed AutoCAD electrical utility grid layouts
- Updated Graphical Information System
- Conducted substation layout, load analysis calculations, and capacitor bank installation locations

AWARDS & PROFESSIONAL ACTIVITIES

- Outstanding Scholar Award – ECE 2007
- Siemens *top+* Employee Recognition
- Sophomore Engineer of the Year 2004
- NSF scholarship recipient
- IEEE – Vice Chair, Member (2002 – Present)
- Eta Kappa Nu Honor Society (HKN) – Member (2005 – Present)
- Tau Beta Pi, Golden Key – Member (2006 – Present)
- Student Government Association (SGA) – Senator (2004)