

# Jonathan Chad Faling

Eng 2, Engineering Ops at Comcast

chadfaling@gmail.com

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## Education

### **Florida State University**

Bachelor of Science (B.S.), Electrical Engineering, 2002 - 2007

Grade: 3.5 / 4

Activities and Societies: National Honors Society, Dean's List, Presidents List for Honors, Phi Theta Kappa Honor Society, IEEE

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## Experience

### **Eng 2, Engineering Ops at Comcast**

November 2013 - Present (1 year 4 months)

Control Systems Engineer for Florida Region West Palm Server: 822,607 customers Naples Server: 447,694 customers Sarasota Server 206,553 customers Redlands Server: 205,422 customers Panama City Server: 56,191 customers Brunswick Server: 47,840 customers

### **Digital Network Control Systems Engineer at Comcast**

March 2009 - October 2013 (4 years 8 months)

Alumni of the Linked 2 Leadership program where I met bi-weekly with my mentor and shadow a member of management every month. Out of 126,000 employees at Comcast I was one of 6 in my Division to be nominated for the Circle Of Success Award in 2012! Received Master's certification from Cisco in my field of DNCS work Design Digital Network for 626,000 subscribers Design and implement conversion from analog systems to Digital systems Alleviate capacity concerns for Video On Demand and Linear Video systems Proactively identify possible failure points on systems and eliminate all failure points before any customer impact is noticed Successfully designed, implemented, and completed 21 high visibility projects in 2012 with project budgets above \$300,000 Only Engineer in the Region to have multiple clients write or email my superiors stating my exceptional work and commitment.

### **RF Performance Engineer at Sprint Nextel**

January 2008 - March 2009 (1 year 3 months)

I was part of the Management Training Program : NCHDP Initiative Coordinate/Manage decommissioning of Concentric Cells with RF Engineers, Spectrum Engineers, Traffic Engineers, and Managers. Produced cost savings on average of \$500.00 per T1 recovered, with projected 41 T1 disconnects, totaling an estimated \$246,000 savings per year.

### **Engineering Intern at L-3 Communications**

May 2006 - August 2006 (4 months)

Assisted in hardware reduction by heading up efforts in NAND flash memory testing which resulted in cumulative financial savings to company Created educational manual on programming memory chips Performed RF emissions testing Software development: wrote program that parses file to create database Temperature certification of NAND flash memory chips

### **Engineering Intern at L-3 Communications**

May 2005 - August 2005 (4 months)

Reversed engineered audio modulation boards Created signal directories and developed block diagrams Held design reviews to report board design status Interacted with sales reps regarding micro-processing devices

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## Courses

### **Bachelor of Science (B.S.), Electrical Engineering**

Florida State University

C Programming

FPLD with ASIC Design

Computer Architecture

Micro Controller Programming

Signal and Linear System Analysis

DSP with FPGAs

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### **Independent Coursework**

Ruby on Rails Learn Web Development with Rails  
Michael Hartl

Rails for Zombies

Learn HTML5 and CSS Visually

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## Skills & Expertise

**Hardware**

**Cisco Technologies**

**Networking**

**Testing**

**RF Engineering**

**Unix**

**Circuit Analysis**

**VOD**

**HTML 5**

**CSS**

**Ruby on Rails**  
**Circuit Design**  
**IP**  
**Wireless**  
**Software Development**  
**VoIP**  
**Telecommunications**  
**Wireless Networking**  
**Troubleshooting**  
**Linux**  
**RF**  
**Systems Engineering**  
**IPTV**  
**Broadband**

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## Certifications

### **Cisco DNCS System Release 5.0**

CISCO License 1283 June 2012

### **The Broadband Network Controller Learning Path Program**

CISCO May 2012

### **Understanding the DNCS BFS Carousel Structure**

CISCO May 2012

### **Understanding the Explorer DAVIC Boot Process**

CISCO May 2012

### **Using DBDS Utilities**

CISCO May 2012

### **DM 6400 Operation**

MOTOROLA July 2011

### **Advanced DBDS Troubleshooting**

CISCO March 2010

### **Operating a Cisco DTA Control System (DTACS)**

CISCO June 2010

### **Cable Installer Technician**

Jones NCTI August 2010

### **IP Video Management System iVMS**

IneoQuest Technologies August 2009

### **Video over IP Basics & IP Video Network Troubleshooting**

IneoQuest Technologies August 2009

### **Introduction to Unix**

CISCO License 1.20 CEU December 2009

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[Contact Jonathan Chad on LinkedIn](#)