

# Juan Francisco Cardenas

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## Summary of Qualifications

- Telecommunications with knowledge in radio frequencies, MiMo, wireless mesh products enabling high bandwidth infrastructure, 802.11 WiFi, and network management software
- TCP/IP Protocol Suite, routing (RIP, OSPF), switching (STP, VLAN), subnet, ping tool, creating Cat5 Ethernet cables, installation of WiFi hotspots, Iperf client/server throughput testing with UDP
- Programming Languages: C++, Python, Visual Basic
- Theoretical data structures, development of algorithm's and analysis of time efficiency
- Shell Scripting (Sh, Bash)

## Education

Cal State Monterey Bay, Computer Science & Information Technology  
Concentration in Networking

Seaside, California  
Graduation: May 2014

GPA: 3.7

Honors: Cum Laude

## Relevant Experience/ Projects

### Network Projects

- Designed a network plan proposal for a auto parts company, including planning of server types, workstations, software, hardware, IP addresses, new service roll out plan, data center, network protocols and redundancy
- Set up and configured a peer-to-peer internal network, including routers, switches and IP addresses

### Internship – Firetide, Inc.

Campbell, California  
June 2013-August 2013

- Field tested mobility mesh networks 30+ hours a week
- Set-up/Configured an Ad-Hoc network involving 10+ new product nodes, 20+antennas 5-GHz
- Set-up/Configured an indoor mobility network involving 10+ nodes and 5GHz antennas
- Created Firetide training slides for new product that will be released worldwide

### City of Salinas – Informational Technologies Department,

Salinas, California

- Researched and planned out implementation of Wi-Fi for downtown Salinas January 2013- May 2013
- Spoke with technology businesses and held professional meetings with City Officials
- Gained knowledge on writing proposals and deliverables

## Volunteer Experiences/ Affiliations

### Omega Delta Phi Fraternity, Inc.

Spring 2011-Present

- Chapter President- 1 year term
- Planned and coordinated fundraiser events- Accounted for over \$9000 revenue
- Coordinated committees/ Conducted weekly meetings and trainings

### Boys and Girls Club- Be Great Graduate Program

Fall 2010- Present

- 140+ hours
- College role model to at risk young children
- Helped with school work and motivation towards college