

# FABIAN DE LA PEÑA MONTERO

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An ambitious software engineer with a proven track record for providing reliable technical expertise and project implementation experience. An innovator who excels in the challenge of accurate and efficient solutions for difficult situations in automated cyber security appliances and program development. A well-rounded and reliable leader with outstanding interpersonal skills driven to develop and grow within a strong work culture, achieving goals and priorities.

## KEY SKILLS AND KNOWLEDGE

- AWS API interface and development Aptana Studio IDE Bash C C# Cadence PSpice CMake
- CSS Cyber Security Eclipse IDE GCC Git HTML Java JavaScript Linux Machine learning
- MATLAB MySQL MIPS Networking PHP Python Penetration Testing PostgreSQL
- System Design and Integration SQL Swift Visual Studio IDE VMWare Windows

## Experience

### AVIRTEK INC, TUCSON, AZ

FEBRUARY 2014 – PRESENT

SOFTWARE ENGINEER (JUNE 2015 – PRESENT)

- Responsible for developing, maintaining, and implementing cyber security solutions
- Responsible for thoroughly testing cyber security solutions by performing cyber-attacks and penetration testing
- Developed and maintained various advanced cyber security technologies for government SBIR and STTR contracts
- Built and maintained the cyber infrastructure for the Tucson Pathology Associates Laboratory (TPAL)
- Developed various tools to automate tasks for TPAL such as file format conversion and automated file transfers
- Developed and maintained a pathology dictation recording and management software system
- Started the development of an automated medical billing system while developing websites for various clients
- Planned, scheduled, and aligned resources to effectively meet and achieve targets and goals

SOFTWARE DEVELOPMENT INTERN (FEBRUARY 2014 – JUNE 2015)

- Developed and maintained Avirtek's automated and integrated management (AIM) cyber security appliances' agent software and graphical user interface
- Developed clear and concise AIM cyber security appliances documentation to guide staff and clients
- Developed and maintained Avirtek's financial prediction software and website to ensure performance and reliability

### THE UNIVERSITY OF ARIZONA, TUCSON, AZ

MARCH 2014 – MAY 2015

UNDERGRADUATE RESEARCH ASSISTANT

- Assisted in the development and maintenance of the Cyber Security Labs as a Service (CLaaS) system
- CLaaS is a student portal for remote cyber security experiments in isolated machines on Amazon Web Services EC2
- Developed interactive experiments to guide and inform high school and graduate students
- Maintained the AskCypert website (<http://www.askcypert.org>) to inform and address student inquiries
- Developed educational presentations in cyber security for high school students as part of the AskCypert project

## ACADEMIC EDUCATION

### UNIVERSITY OF ARIZONA, ONLINE

AUGUST 2016 – PRESENT

MASTER OF SCIENCE – ELECTRICAL AND COMPUTER ENGINEERING

### UNIVERSITY OF ARIZONA, TUCSON, AZ

2015

BACHELOR OF SCIENCE – ELECTRICAL AND COMPUTER ENGINEERING

- HONORS COLLEGE MEMBER
- NATIONAL SOCIETY OF COLLEGIATE SCHOLARS MEMBER

## REFERENCES

*References will be provided upon request*