JOSE RAMIREZ-VILLA

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EDUCATION:

Virginia Commonwealth University - *Richmond, VA* Graduation: *May 2017*
Bachelor of Science in Computer Engineering

Development/Programming: ● C/C++ ● Java ● Software engineering ● Embedded Systems Programming
Computer Engineering: ● Digital Logic ● Digital Systems ● Computer Organization & Design

Piedmont Virginia Community College - *Charlottesville, VA* Graduation: *May 2013*
Associates of Science in Computer Science
Career Studies Certificate in Computer and Network Support Technologies

SKILLS:

Programming*:* ● Java ● XSD ● XML ● SQL ● JavaScript ● Python ● MEAN2 Stack- (Mongodb, Expressjs, Angularjs/2+, Nodejs)
Tools*:* ● Eclipse ● Git ● Jenkins ● Selenium ● Maven ● AWS CLI

PROJECTS:

- **Personal Website (www.JoseRamirez.tk)**
  Hosted on *jsayram.github.io* to showcase my skills using web technologies & to have a platform for highlighting the rest of the projects listed below. Website is responsive and adapts all screen sizes.
- **Senior Design Capstone (Sponsored by NASA Langley Research Center)**
  Remote Aerial Mapping Spectrometer (RAMS):
  In a team of four to design a low weight, low cost, self-powered spectral mapping environmental monitoring sensor payload for mounting on unmanned aerial vehicles. RAMS was designed to make environmental data richer and more cost-effective than most current techniques used by environmental scientists
- **Autonomous Robot:** Implemented an embedded system capable of autonomously navigating a maze, following a black line, and drawing on a canvas – used C & Assembly Language
- **N.M.E.A GPS Sentence Parser:** Implemented as a state machine – using C++

EMPLOYMENT:

Education Strategy Consulting, (www.ESCmatrix.com) *Data Analyst | Software QA* *April 2018 – Present*

- Successfully helped team in the scrubbing, merging, analysis, and visualization of complex data-sets utilizing a Maven based proprietary platform which facilitates analysis-relevant technologies with XML & JavaScript APIs
- Used AWS S3 buckets to load, transfer, and download datasets using bash shell through an ec2 instance
- Aided team in solving problems using programmatic solutions (i.e. Java, Python, and JavaScript)
- Worked with automation tools such as Selenium for solving problems and a cloud web testing platform such as BrowserStack for quality assurance testing

Jewett Automation, *Controls Engineer Internship* *April 2015 – August 2015*

- Helped in the assembly, programming, and successful deployment of an industrial automated O-Ring spout assembler, for the MOEN faucet company, that fitted faucet parts with O-ring spouts at a rate of two parts a second.

ACCOMPLISHMENTS:

Recipient of VCU'S Sternheimer award – A prestigious grant awarded to our team for exhibiting outstanding innovation and entrepreneurship on our (RAMS) Senior Design Capstone Project