Christopher FICKESS (bold?)

Electronics Engineer | Developer

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OBJECTIVE

Electronics Engineer and DevOps Developer with experience across Java, C++, C#, Linux, and Bash Scripting for automation procedures. Seeking to leverage my BLANK skills and BLANK knowledge to pursue a career working on innovative methods in Automation (cap?), Data Analysis, and/or Developmental Software Design. ? Highly interested in Data Analysis & Software Development. (Said basically the same thing as previous sentence - need cap?)

Like this paragraph the best.

SKILLS

Programming Languages Java, Bash, C++, C#, XML, HTML, Markdown, Perl, Python, MatLab, R, LaTeX, Mathematica

Frameworks Java Swing, JUnit, Eclipse-Git, VBA

Development Tools Git, Cygwin, Eclipse, Git-BASH, Visual Studio Code, Visual Studio, Azure DevOps

Simulation Software Lab View, Solid Works, Multisim Operating Systems Windows, Linux Redhat, Mac

Virtualization System Virtual-Box, Vagrant, VMWare

Automation Tools MAKE, Ant, Powershell, Jenkins General

Software Microsoft Office, Excel, Word, PowerPoint, Microsoft Teams, OneNote, Skype

Software Methodology Building, Deploying, Scripting, Wiki Development, Test Driven Development, Agile

WORK EXPERIENCE

Present Tinker Air-Force Base | Electronics Engineer/Developer,

December 2019 OKLAHOMA CITY, OK

* Developed Bash Automation Scripts to setup all Developer’s Software Development Environments (SDE)
* Designed an extensive Wiki, disseminating information on Operations & Procedures and increasing overall efficiency
* Consistently maintained the Wiki to ensure relevancy and accuracy
* Volunteered for SDE Community of Practice to disseminate new protocols to the Scrum teams
* Responsible for maintaining and structuring the team’s data storage work space
* Documented detailed Legacy Build & Debug procedures, increasing knowledge & reducing debug time
* Practiced Test Driven Development (TDD) when implementing Software Development as needed
* Preformed Static Scoping of the Legacy Code Base to determine the possibility of Refactoring (cap or no?) using TDD
* Updated software changes to conform to Military and NATO’s current standards
* Proficient in Bash, Git, Java Swing, Testing, Development, Building, and Linux (not needed-should be under skills section)
* Designed training material and assisted the rotational interns

May 2019 University of Central Oklahoma (UCO) | Lead Research Assistant,

August 2018 EDMOND, OK

Researched Cosmic Radiation using Muon Particle Detectors

* Conducted extensive (or comprehensive) research on Cosmic Radiation Detection using a Muon Particle Detector?
* Acquired grant funding to procure all necessary equipment by completing multiple grant proposals
* Managed a research team by orchestrating a budget, purchasing materials, researching methods, & keeping records
* 3D printed components to construct multiple Particle Detectors (cap or not?)
* Assembled electronic muon particle detectors and ran diagnostics on electronics
* Analyzed radiation data to determine statistical significance using MATLAB
* Effectively discovered a trend in cosmic radiation between various locations vs elevation
* Received an award for presenting at the Quarks 2 Cosmos Conference in Denver, CO April 12 2019 (should this be in awards?)

May 2019 UCO Teaching Assistant,

January 2017 EDMOND, OK

* Educated students in Thermodynamics, Electrical Science, Physics 1 Lab, & University Physical Science
* Graded assignments in Computational Methods, Electrical Science, & Thermodynamics

Was this in lab at all??

May 2019 UCO Tutor &(?) Lab Assistant,

January 2017 EDMOND, OK

* Tutored students in Electrical, Mechanical, and Physics Engineering courses
* Instructed Thermodynamics in critical reasoning and problem-solving strategies
* Assisted professors in demonstrating the correct approach for components of each experiment
* Recognized for the Outstanding Laboratory Assistant Award (should be in awards?)

May 2018 UCO Lead Research Assistant,

May 2017 EDMOND, OK

Researched Human Population Growth Using a Physics Approach

* Obtained research funding from numerous grant proposals
* Performed Statistical Analysis (cap or not?) on human population data (using) Excel spreadsheets to be analyzed through MATLAB
* Derived complex Nonlinear Differential Models for Human Population Growth (cap?)
* Created mathematical representations of Human Population Growth using a physics approach
* Proved that accepted scientific models are invalid for Human Population Growth
* Successfully determined the most accurate model for determining the outcome of human growth rate
* Presented research findings at the National Conference of Undergraduate Research (can this be one bullet point?)
* Presented research findings at Oklahoma Academy of Science (can this be one bullet point?)

August 2015 Street Construction Carpenter,

January 2013 OKLAHOMA CITY, OK

* Created precise wood work for various purposes, while simultaneously reducing material waste
* Reduced installation time of classroom cabinets significantly
* Fabricated materials on site to sustain a high level of precision during installation
* Operated: power saws, drills, sanders, and various hand tools
* Reviewed blueprints and construction layouts

EDUCATION

Graduated Bachelors of Science (B.S.) Major: Engineering Physics

May, 2019 University of Central Oklahoma Minor: Mathematics

AWARDS AND RESEARCH GRANTS

May 2021 Team Recognition Award For Outstanding Work During The PI Award

August 2021 Team Recognition Award For Outstanding Work During The Sprint Award

Spring 2019 Outstanding Laboratory Assistant Award

Spring 2019 American Physics Society Outstanding Presentation Award

Spring 2018 University of Central Oklahoma Presidential Award

Fall 2018 Research, Creative, Scholarly Activities (RCSA) Research Grant

Fall 2018 Student Transformative Learning Records Research Grant

Fall 2017 Research, Creative, Scholarly Activities (RCSA) Research Grant

Fall 2017 Student Transformative Learning Records Research Grant

NOTES:

Periods at the end of bullet points?

And symbol or the word, “and”?

Suggestions:

Don’t think putting construction job experience necessary-not relevant and makes resume too long.

Also heavy equipment

Rearranging bullet points from most important/impressive to least important/impressive