Tanner J. Evans

Recent graduate with B.S. in computer science / mathematics and strong professional experience, seeking a position with opportunities for creativity, challenge, and personal fulfillment.

Contact Information

(505)-504-2940
tannerjevans@gmail.com
Northglenn, CO

Spoken Languages

English (Fluent)
German (Proficient)

Technical Tools

Java, C, Scheme, Haskell, GitHub, Eclipse, Visual Studio, IntelliJ, Bash, Xilinx/Vivado, VHDL, FPGA, MatLab, LaTeX, MPI + Tau, Windows, Linux

Skills and Proficiencies

Technical

- Software design and development.
- Waterfall and Agile methodologies.
- Sequential, parallel, iterative, and online algorithm development and analysis.
- Linear algebra, probability and statistics, discrete mathematics, calculus.
- Basic electronic systems and schematics analysis.

Professional

- Adaptability and organization.
- Project management.
- Protocol development.
- Formal documentation.
- Supervision and training.

Formal Education

University of New Mexico | Jul 2019 – Dec 2021
B.S. in Computer Science, minor in Mathematics

Central New Mexico Community College | Jul 2017 – Dec 2019
Associates in Integrated Studies

St. John's College | Jul 2010 – Apr 2013
Philosophy, History of Science and Mathematics

Professional Experience

Computer Tutor | May 2019 – Sep 2020
Central New Mexico Community College

Student Employee | Sep 2018 – May 2019
Central New Mexico Community College (IT Department)

Intake Coordinator | Jan 2016 – Dec 2017
PSI Services LLC (Government Subcontractor)

Notable Class Endeavors

Project: Virtual Machine | C, Agile Methodology
Led a team to create a virtual machine capable of running a version of Linux. Personally developed a fast 32-bit virtual address space with minimal memory utilization.

Project: Simple Compiler | Java, Agile Methodology
Led a team to develop a compiler for a simple imperative language, from lexing to assembly code generation. Personally developed code generation, linking, dead code elimination, liveness analysis, and various other fixed-point code improvement algorithms.

Project: Virtual Security System | Java, Waterfall Methodology
Led a team to develop a security system for a virtual park, including simulated hardware interfaces, alerts, safety protocols, and control systems. Personally led project architecture design and developed message broker, controller, and class hierarchy.

Report: Comparison of Krylov Subspace Methods | C/C++ & MPI
Performed a comparative performance and cost analysis of the RAPtor codebase implementations of conjugate gradient and biconjugate gradient stabilized methods for sparse matrices. Performed on the Wheeler supercomputer with varying numbers of processors and a selection of real-world matrices obtained from suitesparse.

Portfolio

https://github.com/tannerjevans/portfolio