studmane.com

Eric Steadman

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I have an MS in Mathematics, and am working full-time at Intel. I plan to remain at Intel until Sept 2026, and will then consider my career options moving forward: whether to continue with Intel, to pursue a Ph.D., or to seek employment elsewhere.

Education

Mathematics BS with CS minor *Magna cum laude 04/2020 - 3.99/4.0 GPA* *Brigham Young University*
Mathematics MS *Graduation 08/2022 - 3.70/4.0 GPA* *Brigham Young University*

- Algebraic and Point-set Topology
- Abstract Algebra
- Discrete Mathematics
- Algorithm design and analysis
- Data structures
- Web programming and REST APIs

Experience

Design Modeling Software Research Engineer *Sept 2022-Present* *Intel Corporation*

- Modeled semiconductor design rules using a proprietary geometry modeling language to improve process health
- Prepared models collaterals for publishing and made them available to partner teams

Software Developer *Aug 2019-March 2022; May 2024-Present* *LZTek*

- Constructed large scale apps and graphical reports within the Quickbase database service to provide real time logistical data for internal use and client convenience
- Completed one-off programming projects for clients

CTO, CFO *Sept 2021-Present* *Connex Arms LLC*

- I managed all finance, technology, and legal affairs at a small arms business I started with my brother to keep the business running

Skills and Technologies

- Golang (Intermediate)
- C++ (Beginner)
- Python (Advanced)
- Bash (Intermediate)
- Java (Beginner)
- HTML, CSS, Javascript
- Git version control
- Mathematical proof
- Spanish Language

Projects

Master's Thesis *(https://scholarsarchive.byu.edu/etd/9711/)* *Algebraic and Wild Topology*
I prove that under a natural topology, the fundamental group of a 1-D or planar Peano continuum is a topological group if and only if the space is semilocally simply connected

WebGrader *(not public on github; deployed at acmelab.byu.edu)* *Python, Docker & Full Stack Development*
A full-stack, secure grading environment for discrete mathematics programming labs

scripturetool *(https://github.com/es3649/scripturetool)* *Golang*
A command line application written in Go to access scripture verses by reference