MAX DIAMOND

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OBJECTIVE

I want to bring my experience in software engineering, cybersecurity, and user interface software to the table. I want to work hard and learn new things while working for SmartyStreets. I have loved programming since I was 11 and hope to continue to pursue that passion. I am always open to new ideas and love working with a team and am excited to get that opportunity.

EDUCATION —

Currently attending:
Brigham Young University, Provo, Utah – Junior: working towards a bachelor's degree in computer science

Here I have taken quite a few classes so far including data structures and computer systems. I am currently taking web programming and a Java with mobile development class. I plan to graduate in 2023 with some more classes regarding software development and artificial intelligence, as well as completing some major projects before graduation

KEY SKILLS —

Java, C++, HTML/CSS, python
Team player, patient, gritty problem solver

EXPERIENCE

Brigham Young University Computer Science Courses

- **CS 142 - Intro to Computer Programming:** Getting acquainted with C++, introduction to object-oriented program design and development. Principles of algorithm formulation and implementation.
- **C S 235 - Data Structures:** Basic C, fundamental data structures and algorithms of computer science; basic algorithm analysis; recursion; sorting and searching; lists, stacks, queues, trees, hashing; object-oriented data abstraction.
- **C S 236 - Discrete Structures:** C++, introduction to grammars and parsing; predicate and propositional logic; proof techniques; sets, functions, relations, relational data model; graphs and graph algorithms.

Currently Enrolled:

- **C S 260 - Web Programming:** HTML/CSS, introduction to web application design and implementation. Both front end and back end development with an emphasis on REST architectures.
- **C S 240 - Advanced Programming Concepts:** Advanced software development with an object-oriented focus. Design, implementation, and testing of several large programs in a Java and Linux environment using current technologies.

PROJECTS

BYU Computer Science Course Projects

- In progress portfolio website with web programming class: maxdiamond.info
- **Data log Interpreter:** reads in rules, schemes and facts and parses them accordingly. Available on my GitHub
- **Spelling Corrector:** uses a "dictionary" file as a reference and suggests a correct spelling for an input word. Also available on GitHub