FIRST LASTNAME

SomeCity, ST ✉ email@email.com 📞 123-456-7890

EDUCATION

Master of Science

Computer Science
Some University
Jan 2000 – Present
4.0 GPA

Graduate Certificate

MS Computer Science Foundations
Some State University
awarded Jan 2000
4.0 GPA

Bachelor of Science

Chemical Engineering
Some University
summa cum laude, Jan 2000
3.94 GPA

EXPERIENCE

Project & Process Engineer

Company Engineering
Jan 2000 – Dec 2001
SomeCity, ST

O&G Technology Consultant

ABC Technology
Jan 2000 – Dec 2001
SomeCity, ST

Process Engineer

XY Corp
Jan 2000 – Dec 2001
SomeCity, ST

GRADUATE COURSEWORK

ABU

Software Arch. & Design (current)
Machine Learning for Trading
Artificial Intelligence for Robotics
Software Development Processes

XYU

Data Structures & Algorithms
Computer Arch & Operating Systems
Foundations of Programming
Mathematical Structures for C.S.
Database Design

domain.com
github.com/none
linkedin.com/in/unavailable

SUMMARY

Chemical Engineer and C.S. graduate student seeking software development role applying highly transferable engineering experience solving complex problems across disciplines.

Proven ability to deliver successful project engineering outcomes operating within often disjoint industry standards, project specifications, and client requirements.

PROJECTS

CHEMICAL ENGINEERING | HIGHLIGHTS

Ethylene Terminal Expansion & Facility Restart

- Led process engineering effort from initial design thru Issue for Construction for major underground well storage facility & transfer terminal expansion
  - *increased overall production capacity by 35 %*
- Spearheaded process research and development to identify and redesign key equipment & operational deficiencies requiring remediation
  - *delivered +/- 10% design package and capital estimate for planned $25 million restart*

Offshore Separator for BP & Shell Chemical

- Delivered 17,000 barrel/day three-phase oil & gas separator for joint stakeholder effort from initial sizing and detail design to final shop inspection
  - *augmented platform throughput providing $600k per day in added revenue*

SOFTWARE DEVELOPMENT | ACADEMIC

Machine Learning Stock Trader   Python, Pandas, Numpy, pytest

- Designed APIs implementing regression & classification learning models using Decision Tree, Random Forest, and Bagging algorithms to deploy strategy learners
- Performed statistical analysis on time-series data to calculate rolling statistics on dataframes and plot technical indicators
- Manipulated financial data by reading CSV files for multiple stocks & slicing, normalizing, and plotting calculated portfolio metrics
- Created a custom technical indicator to identify buy and sell opportunities and a market simulator to test trading strategies versus a benchmark

JobRank Android App   Java, SQLite, JUnit

- Deployed agile development practices to design & develop a mobile app for ranking and comparing job offers with a comparison management control panel
- Collaborated via git and Github to implement and iterate on project design and testing frameworks to satisfy user requirements

TextModifier Utility & Library   Java, JUnit

- Wrote a command-line application allowing a user to specify a text file and multiple arguments to manipulate file contents with options to sort, trim, add prefixes, and add/remove lines containing a substring
- Developed a java library version of the application to allow other software packages to interface with the utility
- Utilized a Test Specification Language to evaluate code coverage and develop a testing harness ensuring expected return values and protections against unsupported user input remained consistent across the development cycle

DATABASE APPLICATIONS | FREELANCE

Material Test Report Catalog, Thomas Repro   MS Access, SQL

- Document retrieval application with multiparameter search interface for locating inventory using any combination of report fields

Inspection Management, DB Cranes   MS Access

- Normalized and migrated data from a Lotus installation containing decades of inspections to a relational database with data consistency and atomic transaction principles enforced