Aaron Telstad

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EDUCATION

Iowa State University, College of Liberal Arts and Science   **Expected Graduation: May 2027**
Bachelor of Science in Computer Science
Bachelor of Science in Mathematics with Applications in Statistics

TECHNICAL SKILLS

Proficient: Python | Familiar: MySQL, HTML/CSS, JavaScript, C++
Frameworks/Tools: Flask, React, Tensorflow

RELEVANT COURSEWORK AND SKILLS

Computer Science: Data Structures
Math: Multivariable Calculus
Statistics: Introduction to Probability and Statistics

PROJECTS AND EXPERIENCE

Innovate 120 | UX/UI Design Internship
- Developed UX/UI for Fortune 500 companies (Google and John Deere)
- Used Agile to communicate with teams

Statistical Arbitrage Trading Algorithm | Independent Project
- Generates buy or sell signal based on the daily movement of GM and Ford stock prices
- Backtesting the method over 265 days returned 93.21% whereas Ford was -14.567% and GM was -15.84% during that time
- Actively trading with the fund for 14 days returned 3.51% whereas Ford was 2.36% and GM was 0.09%
- Used **Python** to create predictive models and do statistical analysis.

Notes Website | Independent Project
- Uses **Python**, **HTML**, and **Flask**
- Includes full Authorization allowing a new user to create an account and existing users to log in and logout
- Has **SQL** database that stores user data

Personal Website | Independent Project
- Uses **JavaScript** and **React**
- Responsive design
- Reactive Animations using **CSS**

Freelance Software Developer | Independent Project
- Created websites using React.js for local businesses
- Designed apps using React Native from local restaurants

Markov Chains Monte Carlo Simulation on Google Stock | Independent Project
- Used **Python** to make Monte Carlo Simulations
- Used Markov Chains to find the probability of future stock movements

Fareway Grocery Clerk | Part-Time Employment
- Stock selves and collect inventory
- Communicated with customers