Nathan E. Patterson

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Education

UNIVERSITY OF WASHINGTON   Seoul, South Korea

FinTech Bootcamp   *June 2021 – Current*
FinTech Certificate

YONSEI UNIVERSITY KLI   Seoul, South Korea

Korean Language Studies   *September 2019 – May 2021*
Korean Language Certificate

UNIVERSITY OF WASHINGTON   Seattle, Washington

Big Data Technologies Certificate   *December 2016*
Data Science Certificate

UNIVERSITY OF UTAH   Salt Lake City, Utah

Bachelor of Science Computer Science and Finance   *May 2014*
Computer Science Major GPA: 3.40/4.00
Finance Major GPA: 3.73/4.00

Skills

Java, Python, JavaScript, Node, Express, React, Redux, AWS, TensorFlow, Git, Pandas Quantitative Analysis, PyViz, Facebook Prophet, Time Series Forecasting, Classification and Regression, Machine Learning with Python, Algorithmic Trading, Optimizing Machine Learning Algorithms, SQL, C, C++

Projects

TWITTER SENTIMENT ANALYSIS   Seoul, South Korea

FinTech Project – https://github.com/n8patterson/twitter_sentiment_analysis   *September 2021 – September 2021*
- Developed an NLP sentiment analysis program with TensorFlow to analyze twitter sentiment about stocks
- Analyzed and built a trading bot around the tweet sentiment scores and analyzed the returns using python
- Worked with the Twitter API to pull and clean data about relevant stocks

REACT/REDUX NEWS READER   Seoul, South Korea

Frontend Project – https://github.com/n8patterson/news-reader   *October 2021 – October 2021*
- Developed a news reader app with React and Redux.
- Utilized the Mock Service Worker package to mock API calls.

Job Experience

4C INSIGHTS   Seattle, Washington

Software Engineer – Full Stack Developer   *May 2016 – December 2018*
- Developed production code utilizing 3rd party APIs using Ember.js, Javascript, Python, and SQL
- Spearheaded development of feature that connected objects across five 3rd Party APIs using Javascript and SQL
- Managed time-sensitive updates in order to stay current with Facebook API, including code changes and database upgrades
- Worked closely with remote engineers across the world to finish time sensitive projects.

MICROSOFT (ALLYIS)   Seattle, Washington

SDET   *January 2016 – April 2016*
- Developed testing software using Selenium WebDriver and C# for the retail division
- Utilized analytical and communication skills and ability to work independently and perform as part of a team
- Experienced in writing good quality object-oriented code for testing purposes by following industry standard

ARLINGTON VALUE MANAGEMENT   Salt Lake City, Utah

Analyst   *May 2010 – August 2010*
- Researched long/short U.S. equity opportunities for a value focused firm with $35 million AUM
- Contributed to marketing activities by coordinating with media contacts and clients for two funds
- Developed a database of major investment advisors and funds in the Western U.S. with at least $10 million AUM