

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, TensorFlow, Git, Pandas Quantitative Analysis, PyViz, Facebook Prophet, Time Series Forecasting, Classification and Regression, Machine Learning with Python, Algorithmic Trading, Optimizing Machine Learning Algorithms, Javascript, Node.js, PostgreSQL, AWS, SQL, C, C++

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

GRANADA ADVISORS

Provo, Utah

Technology Division Team Lead

May 2009 – August 2010

- Promoted to technology division lead in charge of coordinating a team of six analysts in developing various technologies
- Constructed data visualization mapping tool using Adobe Flex for clients' use during comparable company analysis

Projects

TWITTER SENTIMENT ANALYSIS

Seoul, South Korea

Developer – FinTech Project

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

PROJECT MANAGEMENT PORTAL

Salt Lake City, Utah

Developer – Semester Project

January 2014 – May 2014

- Produced a project management application, similar to Trello and Asana, on a 4 person team
- Developed the database with SQL and the hierarchical graph visualization using D3js