Ethan Pedersen

Vacaville, CA
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Education

Computer Science (BS) - *Brigham Young University - Provo, UT*   September 2016 to December 2020

- 4.0 major GPA, 3.98 overall GPA
- Minors in Mathematics and Statistics
- Scholarship—full tuition
- Member of The Honor Society of Phi Kappa Phi

Projects and Skills

- Github profile: https://github.com/ethanp55
- Worked on an anomaly detection capstone project for Adobe with a team of four engineers
- Created a Forex data downloader in Python with a team of three engineers
- Currently developing a Forex auto-trader using both RNN and CNN models
- Developed a multiplayer *Ticket to Ride* Android application with a team of four engineers
- Proficient with Python, TensorFlow, PyTorch, PySpark, R, Java, JavaScript, C++, Linux
- Familiar with MLPs, CNNs, U-Nets, ResNets, RNN systems with LSTM/GRU units
- Some experience with AWS, VBA, SQL, HTML, CSS, Tableau

Work Experience

Software Engineer - *Lucidchart*   February 2021 to present

- Develop internal business tools for the sales and analytics teams

Research Assistant / Web Developer - *Brigham Young University*   January 2020 to December 2020

- Created a web game for research using an Angular client and a JavaScript server

Data Engineer Intern - *Principal Financial Group - Des Moines, IA*   May 2020 to August 2020

- Developed a recurrent neural network with another intern to predict profitable future sales actions to take—currently being adapted to use within sales teams across the entire company
- Created Amazon AWS services within an agile development team of eight engineers to improve data ETL jobs

Data Analyst Intern - *Zions Bancorporation - Salt Lake City, UT*   May 2019 to August 2019

- Developed IBM DataStage jobs within an agile development team of ten engineers for processing and analyzing large amounts of customer data (up to 200 million rows at a time)
- Analyzed system architectures and discovered ways to increase server computation by approximately 30%

Volunteer Work

Church Representative - *The Church of Jesus Christ of Latter-day Saints - Santiago, Chile*   July 2014 to June 2016

- Led a group of 30 church missionaries in an effort to serve the local community in Santiago