

Mihai Dan

720 Riverdale Drive, Gladstone, OR 97027 • 503-867-0980 • mihaidan418@gmail.com

EDUCATION

Oregon State University

Master of Science in Computer Science
with a focus on Programming Languages
GPA: 3.92

Corvallis, Oregon
September 2017 - June 2019

Oregon State University

Bachelor of Science in Computer Science
Minor: Business Entrepreneurship
GPA: 3.60

Corvallis, Oregon
September 2013 - June 2017

TECHNICAL SKILLS

Python, Haskell, Clojure, C, C++, SQL, Git, LaTeX, Microsoft Office Suite, Agile Development

PROJECTS

Thesis: *Spreadsheet Explanation Through Table Abstraction*

- Created and detailed an augmented view of spreadsheets to ease understanding and maintenance
- Conducted user studies and artifact evaluations to determine the extent to which explanations are useful
- Laid the groundwork for automation of creating explanations through inference rules

Stock Market Prediction Through Neural Network

- Collected and organized stock market data to be used for training of the neural network
- Implemented a Long Short-Term Memory algorithm using sliding windows to create predictions

Research Paper Reference Engine

- Employed Agile and Scrum techniques with two-week sprints to organize the workflow
- Stored and organized data in relational and graph databases for ease of entity relationship maintenance
- Managed backend functionality and created API endpoints

ALS Credibility Prediction Software

- Manually collected and classified training data used for machine learning implementation
- Applied various feature engineering techniques to maximize algorithm accuracy
- Implemented and compared several algorithms to optimize results

Agile Development

- Collaborated and worked alongside peers using the MVC framework and git version control
- Designed and produced a web-based application, implementing inheritance techniques for added features
- Provided design explanation, progress reports, and other necessary information to the client

PAST EMPLOYMENT

Oregon State University

Graduate Research Assistant

Responsibilities include but not limited to

- Manage and delegate responsibilities amongst a team of undergraduate researchers
- Facilitate creative solutions to various problems and unforeseen roadblocks
- Work closely with my advisor to further and improve on projects related to programming languages

Corvallis, OR
September 2017 - June 2019

PUBLICATIONS

Jàcome Cunha, Mihai Dan, Martin Erwig, Danila Fedorin, and Alex Grejuc. Explaining spreadsheets with spreadsheets (short paper). *In Proceedings of the 17th ACM SIGPLAN International Conference on Generative Programming: Concepts and Experiences*, GPCE 2018, New York, NY, USA, 2018. ACM