EVAN NEWMAN

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EXPERIENCE

Undergraduate Research Assistant
Oregon State University

📅 June 2018 – March 2020   📍 Corvallis, Oregon

- Implemented a bar graph system from scratch with unit tests in JavaScript to increase flexibility and convenience of displaying AI data.
- Deployed novel UI designs to advance the understanding of effective communication between AI decision data and study participants in HTML, CSS, and JavaScript.
- Executed a DARPA project in which I was able to make AI actions and decisions more understandable in a human context.

Computer Science Teaching Assistant
Oregon State University

📅 Jan 2018 – June 2018   📍 Corvallis, Oregon

- Led labs of ~30 students instructing them on the fundamentals of basic programming knowledge up to object-oriented programming in C++.
- Reviewed and graded code of around 10-20 students a week.
- Held office hours to further guide students in any questions about programming and assignments.
- Revised lesson plans and solved issues such as, lack of student engagement towards course content.

SKILLS

Programming Languages

- Python (advanced)
- C++ (advanced)
- C (proficient)
- Java (prior experience)
- Haskell (prior experience)

Web Development

- HTML (proficient)
- CSS (proficient)
- Javascript (proficient)
- node.js (prior experience)
- mangoDB (prior experience)

Development Tools and Libraries

- Github (advanced)
- Linux (experienced)
- Vim (experienced)
- VS Code (proficient)
- Pytorch (prior experience)
- Keras (prior experience)

EDUCATION

BS in Computer Science
Oregon State University

📅 Sep 2016 – Jun 2020   🎓 GPA: 3.59

PUBLICATIONS

- Co-Author: "Explaining Reinforcement Learning to Mere Mortals: An Empirical Study" International Joint Conference on Artificial Intelligence, March 2019
- Co-Author: "Mental Models of Mere Mortals with Explanations of Reinforcement Learning", ACM Transactions on Interactive Intelligent Systems, May 2020

PROJECTS

AutoDesk - Senior Capstone
- Led a team in improving the AutoDesk feature generative design by assigning a time frame prediction for when the feature will finish computations in Python using Machine Learning and AWS.

Deep Learning
- Implemented an AI algorithm that trained on guitar sounds in order to produce its own guitar sounds in Python using Kaggle.

Personal Website

www.newmanevan.com
- Design and built a personal web-page in HTML and CSS.