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SUMMARY

4th year computer science student at UC Santa Cruz with plans to graduate Spring 2021 in search of an entry level Software Engineering position.

EDUCATION

University of California, Santa Cruz <i>Santa Cruz, California</i> <ul style="list-style-type: none">Bachelor of Science in Computer Science (expected Spring 2021)Achievements: UCSC Dean's Honors List – Spring 2020, Winter 2020, Winter 2018	September 2017-Present
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COMPUTER SKILLS

Languages

- Proficient in: Python, C/C++, Golang, HTML/CSS, Java
- Familiar with: JavaScript, Scala, Prolog, Haskell

Software

- APIs/Libraries/Frameworks: PyTorch, Django, Bootstrap
- Software: Windows, Unix, Git, Docker

EXPERIENCE

Student Research Assistant/Python Programmer <i>University of Washington</i> <ul style="list-style-type: none">Implement action policies for Reinforcement Learning Linear Quadratic Systems and extend their application to a multiplayer environmentUpdate policy gradient algorithm to multiplayer environment using OpenAI's existing Vanilla Policy Gradient and PyTorchAuthor credit in: Liyuan Zheng, Tanner Fiez, Zane Alumbaugh, Benjamin Chasnov and Lillian Ratliff (2020), Stackelberg Actor-Critic: A Game-Theoretic Perspective	June 2020-Present
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Student Research Assistant/Python Programmer <i>University of Washington</i> <ul style="list-style-type: none">Implemented gradient-based learning algorithms for training Generative Adversarial Networks (GANs) using the PyTorch FrameworkImplemented an optimizer class for PyTorch that used second-order derivatives to predict future optimizations and allowed for the learning agent to act on these predictionsBuilt foundations for a novel approach to accelerate the GAN learning process by leveraging the eigen structure of the Jacobian of the learning dynamics	July 2019-September 2019
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Website Developer <i>Bay Area Geophysical Society (BAGs)</i> <ul style="list-style-type: none">Created current BAGs website from scratch. Employer requested a barebones static implementation. Used HTML, CSS, and minimal JavaScript	July 2019-September 2020
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