Soma Suzuki

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Education

University College of London, MSc. Spatial Analysis   Sep 2017 to Sep 2018

Conducting research on the 3D urban simulation of socially compliant navigation through model-free inverse reinforcement learning. My interests lie in the algorithmic question of how to acquire cost functions that are robust to dynamic environmental change, and the topological question of how to capture pedestrian movement.

Kyoto University, BSc. Physics   Apr 2012 to Mar 2017

Performed research in machine learning modeling of cohesive energy using compound descriptors at Isao Tanaka Research Group of Materials Design through Quantum Theory.

University of Melbourne, BSc. Physics, Exchange program   Feb 2015 to Feb 2016

Through one year of exchange study, I undertook courses on machine learning system design, supervised learning, unsupervised learning, anomaly detection, large-scale machine learning and deep neural networks.

Experience

MIT Media Lab: Machine Learning Engineer   Jun to Aug 2017

During OMI Summer Lab, I worked in a team with four colleagues to envision a future of music and its industry through the lens of machine learning, distributed ledgers, and the human-centered design. My primary role at the summer lab was to implement audio identification system and Ethereum smart contract function.

Exaintelligence: Machine Learning Engineer   Oct 2016 to Oct 2017

Implemented machine learning algorithms for establishing multiple services. Deployed personal identification service with multiplex convolutional network. Constantly updated company by investigating cutting edge artificial intelligence algorithms.

Recruit Holdings: Urban Planner   Feb 2016

During 3 weeks government internship, I worked in a team with five colleagues to propose a new solution to the mayor of Shiojiri-town regarding the severe population decline in that particular region of Japan. The main purpose was to provide possible measures to counteract the decrease in population, with a focus on urban design and town planning.

M-hand: Web Developer   Aug 2014 to Feb 2015

Completed a paid 6 months internship for a web designing company as an engineer. Worked in a team to consult with several companies and created their websites. I also acted as a director during team meetings and assisted in the decision-making process.

Skills

- **Programming Skills**

    Python, SQL, R, C++, C#, Javascript, Solidity, HTML, CSS

- **Language Skills**

    Japanese, English, Spanish