Soma Suzuki

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Education

University College of London, Smart Cities and Urban Analytics MSc   **Sep 2017 Expected enrollment**

I will be investigating the core challenges facing our increasingly 'smart' cities planning in the perspective of big data analytics. Acquiring the technical and theoretical skills needed to make a difference to the cities of today and tomorrow, my objective is to comprehend the changes that technology is making to the operation of, and our understanding of, the city,

Kyoto University, Bachelor of Engineering, majoring in Physics   **Apr 2012 to Mar 2017**

Performed research in Isao Tanaka Research Group, specializing in Materials Design through Quantum Theory. In my research, through utilizing statistical methods and machine learning, I used the random walk graph kernel for the purpose of predicting the properties of materials.

University of Oxford, Pre-Master's Spring School   **Mar 2016 to Apr 2016**

As I am considering pursuing my master's degree abroad in the future, I undertook several master courses in preparation for this. As part of this, I primarily studied global issues to acquire a broader perspective.

University of Melbourne, Bachelor of Engineering, Exchange program   **Feb 2015 to Feb 2016**

As part of a university exchange program, I undertook one year of study in Australia at the University of Melbourne. During the exchange, I primarily studied Databases using data which was obtained from industry. I also took interdisciplinary subjects and interacted with many local students in order to broaden my knowledge base.

Experience

Open Music Initiative: Blockchain and UI Developer   **Present**

With members of a musician, a designer, and an entrepreneur, creating an open source protocol to simplify the way right owners are identified and compensated with the power of Blockchain technology.

Exaintelligence: Artificial Intelligence Engineer   **Nov 2016 to Apr 2017**

Implemented artificial intelligence algorithms for establishing multiple services. Worked on personal identification with multiplex convolutional network, using Tensorflow and Caffe. Constantly updated company by investigating brand-new artificial intelligence algorithms.

Japan International Institute, Inc.: Urban Planner   **Sep 2016 to Dec 2016**

My primary role was to confer with the mayors to determine each city's future direction with the power of RESAS, a software application designed to analyse big data on the country's local economy presented by Japan's Ministry of Economy.

Recruit: Urban Planner   **Feb 2016**

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.

Cambridge Energy Data Lab, Data Science Competition   **Aug 2015**

Won a data analysis competition, and was offered a position as a data scientist at Cambridge University for six months. During the competition, I wrote a machine learning program in Python to analyze energy consumption data for households. The focus of the position was to create aspects of a smart grid, allowing users to choose a suitable energy company. Unfortunately, due to several issues that were beyond my control, I was unable to attend. However, through the process of applying and being accepted, I learned a great deal.

English Central: Web Developer   **Jun 2015 to Jul 2015**

Completed an internship at English Central which is backed by Google Ventures. Worked as a supervisor, and worked with many local workers. The website of English Central was one of their greatest concerns, as it did not provide the best user experience. Using some of my experience of working in a web marketing company, I discussed elements of the user interface in great depth with engineers and delivered a website which provided a better user experience. (www.englishcentral.com)

M-hand: Web Developer   **Aug 2014 to Feb 2015**

Completed a paid internship for a web marketing 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

- **Language Skills**
  - ・ Native speaker of Japanese.
  - ・ Fluent in English, with an overall score of 7.0 in IELTS.
  - ・ Lived in an university provided international dorm for a year in Kyoto, which required communication with people from all around the world.
  - ・ Able to communicate in Spanish at a conversational level.

- **Programming Skills**
  - ・ Possess the skill to analyze big data using Python, SQL, and other programming languages.
  - ・ Experience working with modern Deep Learning software architecture; Caffe and Tensorflow.
  - ・ Specialty skills in machine learning and convolution neural networks.
  - ・ HTML, CSS, competent in front-end web development.

- **Other Skills**
  - ・ Intimately familiar with Powerpoint, Excel, Word.