Shuai Sun

Curriculum Vitae

Island Gardens
E14 3ER, London, UK
✆ *+44(0)7842770285*
✉ *sunshuai.apply@gmail.com*

Professional Experience

2016.07–Present **Analyst at Deutsche Bank, London**

- Undertook a 6 month first rotation with the Debt Rates Structured and Exotics IT team as a developer
- Developed a website for metrics reporting service. This is on behalf of senior IT management who will use the information as part of IG submissions. The project was undertaken using clojure and clojurescript.
- Added enhancements to a research project for analyzing trends across SDOS bookings globally. The project used the MEAN stack (Mongo, Express, Angular and Node.js). The deliveries on this project included: simplified the data loading script to remove as much manual intervention as possible; Added a multi-region capacity to display results by region; completed the search function to find trades by partial id; visualized the trends across SDOS booking system
- Undertook a 4 month second rotation with Leverage Application Service and Rationalisation team as a project manager. Managed a portfolio of 462 application of Deutsche Bank. Developed the macro for weekly compliance and audit report using Visual Basic.

2016.03–2016.07 **Intern at 3dindustri, London**

- Achieved an image-based shape retrieval system, which enables users to retrieve 3D shape based on the input of 2D image
- Image processing and 3D processing techniques involved
- Machine Learning technique (linear SVM) was used to train the image data of 20GB

2015.02–2015.05 **Intern at GeoSignum, Netherlands**

- Designed and implemented algorithm to extract feature automatically (road surface geometry, road edges, traffic signs, street lights) from 3D Laser Scanning data(Point Cloud Data) using C++

Education Background

2015.09–2016.09 **MSc Computer Science at University College London (UCL), UK**

- Major: Virtual Reality; Minor: Innovation and Entrepreneurship
- Degree Grade: Distinction
- Courses: Acquisition and Processing of 3D, Image Processing, Virtual Environment, Computational Photography

2014.08–2015.06 **MSc Computer Science at Delft University of Technology (TUD), Netherlands**

- Major: Digital Media Technology; Minor: Innovation and Entrepreneurship
- GPA 8.5/10
- Courses: Financial Management, Information Theory, Random Signal Processing, Web Science and Engineering, Data Visualisation

2013.08–2014.01 **Exchange Programme at Royal Institute of Technology (KTH), Sweden**

- Following Master's level courses in Electrical Engineering
- Courses: Image and Video Processing, Signal Processing, Scientific Programming

2010.09–2014.06 **Bachelor of Electrical Engineering at Dalian University of Technology (DUT), China**

- Major: Electronic and Information Engineering
- GPA: 88/100

Skills

- Programming experience in MATLAB, Python, Javascript, Clojure, Clojurescript, Visual Basic, Java, C++, C language, Command Line, HTML, CSS, MongoDB, SQL
- Advanced user of Microsoft Office and LaTeX
- Project experience in Machine Learning
- Strong analytical ability

Academic Experience

2015.06 **Face Recognition Project Development (TUD), Netherlands**

- Developed face recognition project using Matlab and knowledge of machine learning
- The system can recognize the input face based on eigenface

2015.05 **C++ Project Development (TUD), Netherlands**

- Developed new version of Flappy Bird game using C++ and OpenGL
- In the game, bird can be controlled to move and shoot obstable with keyboard. And there is shading and shadow effect on the bird based on the light users choose.

2015.03 **Athens Programme in Technology University in Munich(TUM), Germany**

- Developed Student Management System based on database of TUM
- Used Javascript to visualize information of student

2014.01–2014.06 **Bachelor Thesis Project of Video Stabilization (DUT), China**

- Devised software enabling stabilization of shaking digital video
- Designed the algorithm to achieve digital video stabilization

2012.09–2013.04 **National Undergraduate Innovation Project, China**

- Devised software enabling a laser pointer to control the movement of a computer mouse
- The project was awarded National Level Project
- Made improvements to the detecting algorithm
- The work was credited with significant commercial potential

Business-related Experience

2015.08 **EIT Future Networking Summer School Idea Challenge, Sweden**

- Won the champion of Future Networking summer school idea challenge in Stockholm
- Came up with business idea about the portable air quality detection and purification devise aiming at Chinese market
- Gave the final presentation at Ericsson AB in Stockholm and the jury consisted of lean ventures and Ericsson researcher

2015.02–2015.06 **Business Development Lab (TUD), Netherlands**

- Proposed the new business models and business plan for a Dutch company "StyleShoots"
- Business plan includes marketing plan, operational plan and 12-month financial plan

2015.02 **ICT2 Business Conference in Frankfurt, Germany**

- Proposed the business models for start-up companies
- Came up with the idea and business model of FingerTrip, an one-button app to arrange a trip easily

Awards & Scholarships

2014.04 Full Scholarship of EIT Digital, EU

2014.04 Outstanding Graduate of Dalian University of Technology

2013.08 Full Scholarship to Study at KTH, Sweden

2011–2013 First-Class Academic Scholarship of ICT (*top 5 among 650*)