

# CHANG LUO

✉ luochang212@gmail.com · ☎ (+44) 07902068771 · in bupt-luochang

## 🎓 EDUCATION

---

**University of Sheffield**, Sheffield, United Kingdom 2018 – Present

*Master student* in MSc Advanced computer science

**Beijing University of Posts and Telecommunications**, Beijing, China 2014 – 2018

*B.S.* in Information and Computing Science

## 👥 EXPERIENCE

---

### Research on portfolio optimization problem based on ant colony optimization algorithm

Dissertation Project (MATLAB) Apr. 2018 – May. 2018

Brief introduction: It is an NP-Problem to calculate the efficient frontier of the Markowitz mean-variance model. So, It's hard to get the exact solution of it. An alternative method is to calculate approximate solutions of the efficient frontier by ant colony optimization algorithm. I realized this idea by MATLAB programming in my thesis and scored 90 points.

**Beijing Cheyi Network Technology Inc.** Beijing, China Apr. 2018 – Jun. 2018

Summer Intern

Brief introduction: My job was to analyze the business data which includes comparing, Modeling and forecast. I wrote reports and created slides about the company operating status. My work will support company meetings.

**Train neural network by Tensorflow** Sept. 2018 – Nov. 2018

Assignment of Machine Learning (Python)

Brief introduction: In this assignment, I applied principal component analysis(PCA) to the MINIST dataset, found out the top 10 principal components(PCs). Then, Used these PCs to reconstruct all the original images and successfully classified these images by Scikit Learn. I scored 70 out of 100 in this assignment.

**Render a scene by Java OpenGL** Sept. 2018 – Dec. 2018

Assignment of 3D Computer Graphics (Java)

Brief introduction: I made a 3D scene by Java OpenGL. You can watch the video of my work by clicking [here](#).

- I created a lamp model in the scene which is a hierarchical model so that animations can be defined easily;
- The lamp model can jump around the tabletop and The movements of my lamp are very smooth;
- The lamp will change it's direction automatically when it arrives at the edge of the table.

## ⚙️ SKILLS

---

- Programming Languages: Java == MATLAB > Python == C
- Software: SPSS, Access, L<sup>A</sup>T<sub>E</sub>X, Corel VideoStudio, PowerPoint

## ♥️ HONORS AND AWARDS

---

*1<sup>st</sup> Prize*, Calligraphy Competition of Sha county 2007

*1<sup>st</sup> Prize*, School Mathematics Competition 2012

*3<sup>rd</sup> Prize*, University Scholarship 2015

## 📄 MISCELLANEOUS

---

- Gender: male
- Hobbies: Chinese calligraphy, Tai Chi, Swim, Badminton
- Blog: <https://luochang.ink/>