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Email:

Hengte Lin

SUMMARY

• Applying for shanghai summer internship. Available from May 23 to around Aug 23.

• Hands-on project experiences in data science and computer science. Excellent team working skills.

EDUCATION

HARVARD UNIVERSITY Boston, Massachusetts S.M. in Computational Science and Engineering, Starting from Aug 2016 GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, Georgia B.S. in Mechanical Engineering, GPA 3.89/4, Highest Honor Aug 2011 Dec 2014 M.S. in Mechanical Engineering, GPA 3.85/4 Jan 2015 May 2016

GEORGIA INSTITUTE OF TECHNOLOGY, French Campus

Metz, France Study Abroad Aug 2013 Dec 2013

HONG KONG UNIVERSITY OF SCIENCE AND TECHNOLOGY

Study Abroad Jan 2013 May 2013

EXPERIENCE

Data Science Intern, Pipeline Control & Service

Jan 2016 Aug 2015

- Developed VBA program in MS Excel to extract, analyze and visualize data in PLC programs of oil pipeline projects.
- Modified an ASP.NET web server using C#, PL-SQL and XAML language to enable new features and fix problems.
- Maintained and Optimized contents and structures of a MS Access and an Oracle SQL database.
- Verified and organized various pipeline engineering diagrams and documents.

Research about Industrial Internet, China Academy of Industrie 4.0

May 2015 July 2015

- Investigated the development progress of internet of things in both industrial and home internet of things.
- Worked with a Manufacturing Execution System company to analyze Internet strategies for Chinese factories.

Research about Mechanics: Lithium Ion Battery, Georgia Tech

May 2014 Dec 2014

- Investigated the fracture patterns of cylinder and plate-shape silicon battery anodes.
- Did theoretical analyze and FEA Simulation (Abagus) about the fracture patterns sent from partner laboratories.
- Revised an existing Abaqus VUMAT subroutine file using FORTRAN to enable multi CPU calculation.
- Created python scripting program to automatically run Abacus simulation and do analysis on silicon cylinders.

Research about Dynamics: Shock Mitigation, Georgia Tech

May 2014 - Aug 2014

- Investigated the shock mitigation in linear and nonlinear spring-mass systems with PhD partner.
- Designed and manufactured the experimental apparatus with different spring-mass systems.
- Created CAD model and FEA simulations (Abaqus) to figure out the detail of the designs.

Research about Acoustics: Phononic Crystal, Georgia Tech French Campus

Aug 2013 Dec 2013

- Investigated the sound filtering ability of phononic crystals, with focus on Bragg scattering and local resonance.
- Performed experiments with transducers, frequency analysis with Matlab, and FEA Simulations with Comsol.

Senior Design with John Deere company: Automatic Lawn Mower, Georgia Tech

Aug 2014 Dec 2014

Worked in team to design and make prototype of a small size automatic lawn mower for John Deere.

CLASS PROJECTS

Artificial Intelligence Class Project Georgia Tech

Jan 2015 Apr 2015

• Wrote moving strategies for maze runner, soccer player and animal herd programs using C and Python.

Bayesian Statistics Class Project Georgia Tech

Jan 2016 Apr 2016

Implementing Bayesian statistics and regression using Markov chain Monte Carlo method on OpenBUGS.

Big Data Class Project Georgia Tech

Jan 2016 Apr 2016

• Developing a health machine learning project using Spark and Python.

SKILLS

Languages: Chinese – native, English – fluent, Japanese – basic

Programming: Python, Scala, Matlab, VBA, C#, XAML, PL-SQL, SQL, Java, HTML

System: Linux, Windows

Platform: Hadoop, Spark, ASP.NET

ACTIVITIES

Tau Beta Pi Engineering Honor Society, Georgia Alpha Chapter Georgia Tech

Jan 2015 May 2015

Chair of Campus Connection and Marketing

Chinese Friendship Association, Georgia Tech

Fall 2011-Fall 2014

Various positions including Vice Director of Public Relationship and Director of Marketing