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FDUCATION

UNIVERSITY OF COLORADO BOULDER

PhD Candidate in Electrical Engineering

Expected. May 2018 | Colorado, USA

MS IN ELECTRICAL ENGINEERING Grad. Dec 2014 | Colorado, USA Cum. GPA: 3.86 / 4.0

HARBIN INSTITUTE OF TECHNOLOGY

BS IN ELECTRICAL ENGINEERING Grad. Jul 2010 | Harbin, China

SOFTWARE SKILLS

Proficient in:

Python • Matlab • Git • Eclipse Familiar with:

JavaScript • Keras • LaTex

• C • MySQL

Have prior experience with:

R • Java • NoSQL • HTML • CSS

• Android • PyTorch • TensorFlow

COURSE

Statistical Modeling
Big Data Analytics
Intro to Time Series
Space Hardware Design
Modern Signal Processing
Intelligent Systems Design
Natural Lang Processing
Complex/Dynamical System
SW Engr Distributed System
Search Eng & Anal Hi-dim Dataset

LEADERSHIP

Principal Investigator of Mirabot EEF Project (CU Boulder) TEDx - Artificial Autism Talk Chief Architect for Robauto Co-founder, Lead Firmware Engineer of Stryd Lead Electrical Engineer of NASA X-Hab Challenge (CU Boulder)

EXPERIENCE

DATA SCIENTIST - INTERN | CONCORD NEW ENERGY

May 2017 - August 2017 | Beijing, China

- Responsible for the health monitoring and fault diagnosis machine learning engine development for solar farms
- Led the algorithm team, developed unsupervised fault detection and classification algorithms
- Successfully deployed the algorithms in a 40MW solar farm

SOFTWARE ENGINEER - INTERN | PEARSON

June 2015 - June 2016 | Centennial, CO, USA

- Worked on the Project Management team, led and developed a new resource management software (SWAN) to replace Google Fusion Table
- Conducted requirements gathering through interviews with stakeholders
- Led front and back end software development using MongoDB, Java
- Presented the work to VP, program managers and successfully deployed the application within 10 weeks

RESEARCH & DEVELOPMENT ENGINEER | STRYD - STARTUP

May 2013 - May 2015 | Boulder, CO, USA

- Analyzed human walking/running data, designed gait analysis algorithm
- Designed, implemented, and maintained complete embedded software for wearable devices in start-up environment, from initial prototype to market

GRADUATE RESEARCHER | CU BOULDER

Sep 2012 - Present | Boulder, CO, USA

Project: Human Behavior and Urban Dynamics Analysis

- Conducted a large-scale spatial-temporal analysis of over 14 millions data records from an online food delivery company
- Proposed novel clustering methods to infer users' dining locations

Project: Anomaly Detection and Quality Assurance of Massive Satellite Data

- Proposed an unsupervised contextual anomaly detection method
- Enabled automated novel knowledge discovery from massive satellite images

Project: Energy-Efficient Wearable Analysis for Running

• Proposed and implemented an adaptive sparse sensing algorithm to reduce system power consumption

EMBEDDED SYSTEM TEACHING ASSISTANT | CU BOULDER

2012, 2014, 2017 | Boulder, CO, USA

• Instructed undergraduate courses on embedded software design, debugging, and implementation using ARM microprocessors, FPGAs, Android

AWARDS

- 2017 Graduate Research Award Nomination
- 2017 Electrical Engineering Travel Fellowship
- 2017 Graduate Travel Award
- 2016 Engineering Excellence Fund
- 2012 Electrical Engineering Merit Fellowship
- 2012 Dean's Fellowship Award