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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
Familiar with:
JavaScript • Keras • LaTex
• C • MySQL • R • Eclipse
Have prior experience with:
Java • NoSQL • HTML • CSS

Android • PyTorch TensorFlow • Spark

COURSES

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

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

WEB AND DATABASE DEVELOPER - 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
- 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 a startup 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 million 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