

Bryan Bo Cao

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PERSONAL PROFILE

Research Intern in Ericsson | Robotics Research Assistant/Software Developer in IronLab, CU-Boulder

EDUCATION

University of Colorado Boulder, USA, M.S. Computer Science GPA: 3.86 Expected Graduate in 12/2017

●Object-Oriented Analysis & Design ●Big Data ●Neural Nets & Deep Learning ●Computer Perception ●Advanced Robotics

The University of Sheffield, UK, MSc Software Systems and Internet Technology 09/2012-09/2013

●Web Technologies ●Advanced Java Programming ●Java E-Commerce ●Network and Internetwork Architectures

Guangdong University of Technology, GuangZhou, China B.S. Computer Science and Technology 09/2007-06/2011

●Data Structure ●Computer Architecture ●Computer Networks ●Operating Systems ●Software Engineering

TECHNICAL SKILLS

Languages: Java, Python, JavaScript & PHP Database: NoSQL, Cassandra, HBase, MongoDB, MySQL

Frameworks: Spring & Hibernate, Node.js, Bootstrap, jQuery, TensorFlow, MXNet

Methodologies: OOP, UML, Design Pattern & MVC

Others: Hadoop, HDFS, Spark, Kafka, Zookeeper, Docker, D3, OpenCV

WORK EXPERIENCE

Research Intern 05/2017-08/2017

Ericsson Silicon Valley, Santa Clara, California

●Working on research on Collaboration on Augmented Reality using HoloJS, Node.js, WebGL and C++.

Lab Network Systems Administrator 08/2016-05/2017 Project Research Assistant 02/2016-05/2017

Laboratory for Interactive Robotics & Novel Technologies (IronLab), University of Colorado Boulder

●Research on Human Robot Interaction, using Computer Vision(OpenCV, Kinect V2, JS) and Deep Learning(TensorFlow)

Graduate Mentor for Spring Break 03/2016&03/2017

IronLab(2017) & Correll Lab(2016), University of Colorado Boulder

Test Engineer 05/2014-11/2014

IBM International System Technology Co. Ltd (ISTC), Shenzhen China

●Tested System X servers by test code run on Linux;

●Front-end co-designer of Redfish Project for report auto-generation using Python, JavaScript, Bootstrap, web.py.

PROJECTS & ACTIVITIES

ATLS 5214 Big Data Architecture 01/2017-05/2017

●GreenArrow - An interactive map displaying crime data (AWS, D3, MongoDB, Kafka, Spark, Node.js, Zookeeper,

Twitter4J) github.com/CUBigDataClass/IceStream

CSCI 5448 Object-Oriented Analysis & Design 02/2016-05/2016

●Project: Robot Path Learning (Java, MVC, URL, Design Pattern, Bootstrap, Spring, Hibernate, JavaScript, JSON, MySQL)

github.com/BryanBo-Cao/CSCI5448-RobotPathLearning-Team13

Independent Study Group -- Integration of Jaguar and Stewart Platform 08/2015-12/2015

Integrated Jaguar and Stewart platform, control and communicate via ROS (Robots Operating System) & SLAM.

youtu.be/Tb0sU9bNYIY

CSCI 5839-001 User-Centered Design & Development 1 08/2016-12/2016

●FeelCam. Prototyped a camera by detecting users' intentions by gestures, facial expressions or voice command.

(A/B Prototype, Usability Testing, Heuristic Evaluation)

A Search Engine for Gathering Information from Social Media 03/2013-05/2013

●Used HTML, CSS, JS, Bootstrap, JSP, Servlet, Java & MySQL, aiming at gathering latest tweets using keyword(s) like

location, content, username or a combination of any of them.

Web Based Holiday System for the Medical School Postgraduate 09/2012-05/2013

●In the module of Maxi Project, using HTML, CSS, JS, Bootstrap, PHP, MySQL, developed on platform WAMP(Windows

Apache MySQL & PHP), aiming at building a system to replace the paper-based holiday application process in Software

Management skills. URL: bryan55.com/HolidaySystem

SIDE PROJECTS

Animal & Traffic Classification using MXNet: <https://github.com/BryanBo-Cao/x> 08/2017-Present

AWARDS

Beverly Sears Graduate Student Grant award for Human-Robot Interaction research from CU-Boulder 03/2017

First Class Scholarships for academic excellence (top 3%) Bachelor degree study 09/2009-06/2010

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Second Class Scholarships for students' All-round development (top 8%) Bachelor degree study

09/2009-06/2010