

Shen Huang

Education

- Aug. 2016 - Present **Master of Science, Computer Science, University of Colorado Boulder, Boulder, CO.**
Overall GPA: Null
- Aug. 2012 - Jun. 2016 **Bachelor of Engineering, Computer Science, Nanjing University of Science & Technology, Nanjing, P.R. China.**
Overall GPA: 3.6, CS Majors GPA: 3.6 Rank: 5%

Research Experience

- Sep. 2015 - Jul. 2016 **Research Assistant, Pattern Recognition and Bioinformatics Group in NJUST, Nanjing, P.R. China,**
Supervised by Dongjun Yu.
- Tried to solve a protein problem of predicting high-dimensional structural information via little information of protein sequence.
 - The traditional strategy for this topic was using machine learning methods. Implemented these and propose a new feature extraction method.
 - Tried to use DNN model in this problem and succeeded, which was not shown work in this field.
- Ari. 2016 - Jun. 2016 **Research Assistant, NJUST, Nanjing, P.R. China.**
- Built a machine learning framework for designing a robot, which is used for detecting moving objects.
 - Was in charge of designing unmanned vehicles with automatic target recognition, tracking system, and path planning function, which can automatically fire shells to fight against enemy unmanned vehicles.
 - Used structural features to design a target tracking algorithm.
 - Implemented Fast RCNN model for recognizing the target in the video.

Work Experience

- Jan. 2016 - Apr. 2016 **Data Science Engineering Intern, Future Network institute, Nanjing, P.R. China.**
- Analyzed the data provided by AP and WiFi monitors every day.
 - Used Spark to deal with the whole log data provided by monitors.
 - Developed a model to track each person's network behavior in the whole system.
- Apr. 2014 - Jul. 2014 **Lead Developer, Huawei Technologies Co. Ltd, Xiamen, P.R. China.**
- Designed a smart answering robot service system by PHP programming.
 - Utilized knowledge of Q&A corpus to manage responses to questions.
 - Implemented words classification by employing supervised learning techniques.
 - Created a service robot capable of responding to users' tourism queries.

Student Project

- October 2015 - December 2015 **MusicFM website**, *NJUST*, Nanjing, P.R. China .
- o Built an online music website (music.smilebooky.com) using node.js.
 - o Developed spider programer to get all the music data(10 million songs) in an online music platform. Tried to analyzed and visualized all the data.
 - o Performed ORM and routing assignment using MongoDB as database.
 - o Designed front-end UI by using Bootstrap and Angular.
 - o Implemented a recommendation system by using clustering methods to recommend top 5 songs.

HONORS & AWARDS

- Mar. 2016 **Outstanding Graduate**, *NJUST*, Nanjing, P.R. China.
- Mar. 2016 **Prize for Excellence in Asia Student Supercomputer Challenge**, *Inspur Group Co., Ltd.*.
Designed and optimize algorithms in HPC, and tried to optimize the DNN program on the CPU + MIC Platform
- Nov. 2015 **Bronze Medal in ACM/ICPC - Beijing Regional**, *Association for Computing Machinery*, New York City, NY.
Got a rank of 62/200
- Oct. 2015 **Outstanding Students Award**, *China Computer Federation*.
Represented university to get this award
- Jul. 2014 **Silver Medal in ACM/ICPC - Shanghai Inivation Contest**, *Association for Computing Machinery*, New York City, NY.
- Jun. 2014 **1st Prize in "Bluebridge" Cup National Software Design Contest**, *Ministry of Industry and Information Technology*, Beijing, P.R. China.
Got a rank of 3/10K in National Final
- Nov. 2013 **Bronze Medal in ACM/ICPC - Changsha Regional**, *Association for Computing Machinery*, New York City, NY.
- Sep. 2012 - Jun. 2016 **1st Prize Scholarship**, *NJUST*, Nanjing, P.R. China.
Won every year in university

Extra

- o Contributor to open source projects - see <https://github.com/LichAmnesia>
- o Member of the GDG Sub (Be invited to Google I/O 2016)
- o Teaching Assistant for Course of C Programming Language for International Students

Computer Skills

- Languages: Python, Java, C/C++, Ruby, JavaScript, Mathematica, Matlab
- OS: Linux(CentOS, Ubuntu), Windows
- Database: MySQL, MongoDB, Hbase