

Menghang (Neil) Li

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OBJECTIVE

To obtain a software engineer intern position in summer 2016. I plan to pursue a Master's degree in computer science starting fall 2016.

EDUCATION

Georgia Institute of Technology, Atlanta, Georgia

Aug 2012 – May 2016 (Expected)

- Candidate for B.S in Computer Science
- Threads: Intelligence-Modeling/Simulation
- GPA: 4.00

INDUSTRY EXPERIENCES

Dell SecureWorks, Inc., Atlanta, GA

Aug 2015 – Dec 2015

Data Analyst Intern

- **Security Event Clustering:** led the research on categorizing security events captured on network intrusion detection systems with clustering algorithms
 - Implemented and customized Self-Organizing Map algorithm, feature selection techniques as well as visualization for the performance of the model using various packages in R

Dell SecureWorks, Inc., Atlanta, GA

May 2014 – August 2014, Jan 2015 – May 2015

Software Engineer Intern

- **Customer Portal:** added features to and backend support for network threat monitoring and reporting pages
 - Wrote web services implementing REST API with Spring MVC
 - Designed UI with Backbone.js, Less.js, Bootstrap and JSP
 - Improved the overall code coverage with Junit testing and Selenium WebDriver
- **iSensor Portal:** built a web-app for network intrusion prevention system engines called iSensors
 - Used by engineering teams for testing before releases
 - Allowed users to upload data packets and customized rules into system engines
 - Utilized Spring MVC, MySQL, Maven and a Tomcat Server
 - Integrated a python-based testing framework (Pytbull) and a perl-based test tool (DumbPig)

ACADAMIC EXPERIENCES

Undergraduate Research Assistant (with Dr. Alex Endert)

May 2015 – Sep 2015

School of Interactive Computing, Georgia Institute of Technology

- Visualized Yelp businesses in a force-directed graph by customized distance metrics in D3.js

PROJECTS

Yelp Dataset Challenge – Infer categories

- Built a multi-class categorization model for businesses based on user reviews
- Implemented TF-IDF and iterative information gain techniques to retrieve meaningful words
- Achieved 47% accuracy with Jaccard Index and 70% accuracy with one-off error

GT Web Print (HackGT):

- Created a solution for Georgia Tech Students to print on laptops and mobile devices with a team
- Led the development of the web-app where the students can log in to print files

Space Trader Game:

- Recreated the traditional space trader game in Model-View-Presenter model with SQLite

SKILLS

Programming Languages: Java, python, R, C/C++, Matlab, SQL

Web Development: Javascript, HTML, CSS, jQuery, D3.js, Backbone.js, Less.js, Bootstrap

Data mining, Management: Weka, Scikit-learn, MySQL, SQLite