GAUTAM BAGHEL

baghel.g@husky.neu.edu

(857) 352-4593

https://www.linkedin.com/in/gautambaghel/ Available: May – August 2018

GPA: 3.67/4.0

1102 Boylston St. 1-T, Boston, MA 02115

EDUCATION

Northeastern University, Boston MA

Sept. 2016 -Present

College of Computer and Information Science

Expected graduation - Dec 2018

Candidate for Master of Science in Computer Science

Related Courses: Programming Design Paradigms, Game Analytics, Mobile Application Development

National Institute of Engineering, Mysore India GPA: 8.71/10

July 2015

Bachelor of Engineering in Computer Science

Related Courses: Big-Data Analytics, Database Management Systems, Data Structures

TECHNICAL KNOWLEDGE

Languages: Java, C/C++, C#, HTML, R, JavaScript, CSS, XML, Swift

Systems: Windows 2000/XP/Vista/7/8, Linux

Software: Visual Studio, Eclipse, NetBeans, R Studio, XCode

Database: MySQL, SQLite, Oracle, Firebase

ACADEMIC PROJECTS

NORTHEASTERN UNIVERSITY

Mobile Application Development

Jan. 2017 -Present

- Developed an online synchronous two-player android word game that is a new twist on boggle.
- Designed an android application to label collected unlabeled accelerometer data currently in beta testing.

Foldit, Protein folding game

Nov. -May. 2017

- Worked on standalone functionality and implementing drag and drop feature to improve gameplay.
- Design and implemented rank based system to organize players.

Game Analytics

Sept. -May. 2017

- Developed models to find predictors in win/loss outcome using PCA, Clustering and SVM in online games.
- Designed and implemented models for Multiplayer online games to optimize player roles and team composition.

NATIONAL INSTITUTE OF ENGINEERING

Transport Layer protocol for collaboration of intelligent devices

Jan. -Dec. 2015

- Designed and developed award winning lightweight library for TCP/IP transport layer in C, C++ and Java.
- Successfully tested on multiple operating systems for backwards compatibility.
- Co-authored paper on the protocol design for this implementation.

Database driven finance management application

Oct. 2014 -Jan. 2015

- Published app in Google Play Store that helps distribute funds among peers.
- Developed on eclipse IDE with Java, XML and SQLite.

WORK EXPERIENCE

Tata Consultancy Services, India

Jan. -Jun. 2016

Associate Software Engineer Trainee

- Developed applications based on Hibernate and Struts framework for an e-commerce web application.
- Wrote code for application using Java and JavaScript in collaboration with a small team.
- Tested code for usability and debugged the application for errors.

Schepens Eye Research Institute, Boston

May. - Dec. 2017

Mobile Application Developer (iOS/Android)

- Built supervision search app to help visually impaired people identify real life objects.
 - Developed dark adaptation app to identify potential glaucoma symptoms in adolescents.