SHENGBO LOU

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EDUCATION

University of Massachusetts Amherst   Expected Graduation: May 2019
M.S. in Computer Science, GPA 3.90

University of Massachusetts Amherst   January 2014 – May 2017
B.S. in Computer Science, GPA 3.83, Dean's List

SKILLS

- **Programming languages**: Java, C#, Python, HTML, CSS, JavaScript, C
- **Frameworks/Libraries**: Bootstrap, Reactjs, ASP.NET, mocha.js, jQuery, Velocity.js, chai.js, material-UI

COURSES

Software Engineering, Advanced Algorithm, Web Development, Machine Learning, Neural Networks, Cloud Computing, Computer Networks, Operating System, Formal Language Theory, Information Systems, Introduction to algorithm

EMPLOYMENT

Software Engineer Intern, Charles River Development – Burlington MA   June 2016 – August 2016

- Worked in an Agile environment with the collateral management team
- Implemented 'OpenGamma' server caller that calculates estimated margin for over 1000 clients
- Modified existing software to correct errors, upgrade interfaces and improve performance

PROJECTS

NapTime Android Application [Java, Android] available on Google Play   September 2015 – present

Speech recognition alarm, 100-500 installs

- Developed an interactive Android application that uses voice input to set an alarm
- Implemented a bug tracking system that sends crash reports as well as user feedbacks
- Programmed a weather forecasting system that provides real-time weather report

WeMeet Web Application [Web Development, AWS] www.w1meet.com   September 2016 – present

Social Networking Site

- Lead a team of 6 to develop a social web application which allows users to discover nearby activities
- Built the frontend using HTML, CSS, React, Bootstrap and Material-UI
- Programmed the backend using Node.js, MongoDB and memory cache
- Developed real-time functionalities including chat and notification using Socket.IO
- Performed unit test using mocha.js and chai.js

Academic projects [Java, Python, C, Scala] https://github.com/shengbolou

- Implemented raw socket in Python
- Built a handwritten-digit recognition engine in Java
- Programmed a search engine in Scala