Kirk Easterson

CONTACT INFORMATION	Graduate Student Stony Brook University 31 Beachview Place Ronkonkoma, NY 11779	Phone: (631) 707-1206 E-mail: kirk.easterson@gmail.com **linkedin.com/in/kirkeasterson** **github.com/kirkeasterson**

INTERESTS — Software Engineering, Algorithms, Data Science, Cyber Security, Machine Learning

EDUCATION

Stony Brook University, Stony Brook, NY   **August 2017 – present**
Non-matriculated graduate student taking Computer Science and Math courses(Data Structures and Algorithms, Software Design, Advanced Java, Foundations of Computer Science, Finite Mathematical Structures, Linear Algebra, Physics)

Massachusetts Institute of Technology, Cambridge, MA   **June 2016 – September 2016**
Big Data and Social Analytics online course. Analyze user's mobile phone data using Python, R, Jupyter Notebooks, and AWS. Used to predict behavior of the end-user. Used R libraries ggplot2, randomforest, and RegTest.

SUNY Fredonia, Fredonia, NY   **August 2012 – May 2015**
B.A. in Applied Music

TECHNICAL SKILLS

Languages: Java, C++, Python, R, R Markdown, LaTeX, Bash, SQL, HTML, CSS, Javascript, MIPS
Software:: Git, Visual Studio, Android Studio, MySQL, AWS, Jupyter, VMware, Vim, Emacs, Tableau, Avid Pro Tools

PROFESSIONAL EXPERIENCE

Fire Rescue Systems, Hauppauge, NY   **May 2017 – August 2017**
Software Engineer Intern
- Document C++ and Java for software and Android apps for management of local fire departments
- Gained professional experience with Git and Visual Studio, also assisting with debugging and project planning

PROJECTS

Mimir, JavaFX and SQL
University Records Application
- An application built for a university to keep records of their students
- Monitors student grades and course sequence
- Use of custom built data structures(Linked Lists and Trees) and design Patterns(MVC and Factory)

Lyder Media Manager, JavaFX
Music Playlist Management
- Create, edit, and delete playlists
- Plays .mp3 files
- Use of custom built data structures (Bags and HashMaps) and design Patterns(MVC and Observer)

MicroPad, JavaFX
Simple Text Editor
- An interface to create and edit text files
- Provides basic statistics about the document including word count, sentence count, and Flesch score