Kirk Easterson

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Education

Stony Brook University   Stony Brook, NY
Graduate Student – Computer Science   *August 2017 – May 2020*
Data Structures and Algorithms, Software Design, Advanced Java, Probability Theory, System Architecture, Network Design, Database Design, Foundations of Computer Science

SUNY Fredonia   Fredonia, NY
Bachelor's Degree in Music - Classical Performance   *August 2012 – May 2015*

MIT Experimental Learning
Certificate Course: *Big Data and Social Analytics*   *May 2016 – August 2016*
Analyze user's mobile phone data with Python, R, Jupyter Notebooks, and AWS to predict location and communication habits

Projects

Kale – *PLY(Python, Lex, Yacc)*   *June 2018*
- Built a scripting language
- Organizes assignment deadlines
- Designed an attribute grammar for parsing of strongly typed data types

Mimir – *JavaFX and SQL*   *April 2018 – May 2018*
- Built a full stack university records application
- Monitor students' grades and course sequence featuring MVC and Factory design patterns
- Implements SQL for the backend and JavaFX for the frontend

Lyder Media Player   JaxaFX
Music Management Software   *April 2018 – June 2018*
Built an audio player that supports creating and editing playlists. Designed the UI with Scene Builder.

Experience

Gentoo Linux
Translator   *May 2018 – present*
Translated over 50 pages of documentation into Norwegian and Swedish

Fire Rescue Systems   Hauppague, NY
Software Engineer Intern   *May 2017 – August 2017*
Documented C++ and Java for emergency response software and Android apps. Wrote and debugged code with heavy use of Visuala Studio and Git

The Paramount   Huntington, NY
Audio Engineer   *May 2015 – present*
Built a monitor mix for over 500 acts in a 1,500 seat venue. Worked with artists such as Fergie, Joe Jonas, Meatloaf, Weird Al, and Train

Skills

Languages: Java, C, C++, Python, R, SQL, HTML, CSS, Javascript, Prolog, LaTeX, Bash, SML, MIPS

Tools: Git, Visual Studio, Android Studio, MySQL, AWS, Jupyter, Photoshop, Blender, VMware, Vim, Emacs, Tableau, Pro Tools

Natural languages: English *(mother tongue)*, Norwegian *(limited professional proficiency)*, Swedish *(limited professional proficiency)*, Danish *(elementary proficiency)* and French *(elementary proficiency)*.