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*

Visual Basic I and II, Principles of Database Design

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 based on materiails learned in *CSE 307: Principles of Programming Languages*
- Organizes assignment deadlines via the CLI
- Designed an attribute grammar for parsing of strongly typed data types

Mimir – *JavaFX and SQL* · *April 2018 – May 2018*

- Created a full stack university records application to maintain student information
- 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 – *JavaFX* · *Nov 2017 – Dec 2017*

- Designed an audio player that supports *.mp3, .wav, .wma, .ogg,* and *.flac* audio file formats
- Can create and edit playlists with shuffle and looping playback
- UI composed with *Scene Builder* and *openjfx* based on materials learned in *CSE 214: Computer Science II*

MicroPad – *JavaFX* · *Sep 2017*

- Constructed a text editor to create and edit *.txt* files
- Contains a *vi* mode with basic *vi* navigation and editing commands
- Analyzing the text allows the user to see the word count, sentence count, and the Flesch Score

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)*.