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 Engineering, Advanced Java, Probability Theory, Systems Architecture, Network Theory and 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
Cambridge, Massachusetts

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 materials learned in *CSE 307: Principles of Programming Languages*
- Organizes assignment deadlines via he 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 – *Software Engineer Intern*
May 2017 – August 2017

- Wrote and debugged C++ and Java with use of Visual Studio and Git
- Wrote code documentation for emergency-response dispatch software

The Paramount – *Stage Manager*
May 2015 – May 2018

- Stage-managed over 500 acts in a 1,500 seat entertainment 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, LISP, 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)*.