

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

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 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 – *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*).