

Kirk Easterson

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Education

Stony Brook University

STONY BROOK, NY

Graduate Student – Computer Science

August 2017 – May 2020

Computer Architecture I and II, Principles of Database Design, Data Structures and Algorithms, Software Engineering, Network Design and Administration, Advanced Java, Probability Theory, Discrete Math

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

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

Projects

SBUScript – PLY(Python, Lex, Yacc)

June 2018 – July 2018

- Built a complete compiler for Java CSE 307: *Principles of Programming Languages*
- Reverse engineered Java parse tree for proper grammars
- Designed an attribute grammar for parsing of strongly typed data types

TCP Key Value Pair Server – Python

September 2018 – October 2018

- Engineered a key-value pair server featuring Python socket library
- Implements TCP network protocol in communications
- Utilizes proper HTTP server responses

Mimir – JavaFX and MySQL

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 MySQL Workbench for the server and JavaFX for the back and frontend

Skills

Languages: R, C/C++, Python, MySQL, Bash, HTML, CSS, Javascript, Java, Prolog, SML, \LaTeX , LISP, MIPS

Tools: Git, Tableau, SPSS, OpenRefine, Visual Studio Code, Android Studio, MySQL Workbench, AWS, Jupyter, Photoshop, Blender, VMware, Pro Tools

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