

JOEL MACKLER

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EDUCATION

Bachelor of Science, May 2016

Duquesne University

Major: Computer Science Minor: Mathematics

GPA 3.85 Major and Minor GPA 4.00

Courses include: Java With Data Structures, Advanced Data Structures (w/ C++), Theory of Programming Languages, Software Engineering, Operating Systems & Computer Architecture, Computer Networking, Artificial Intelligence, Numerical Analysis, Database Management Systems, Intro Probability & Stats I and II.

RELEVANT SKILLS

Linux, Python, Java

AWS Certified Solutions Architect – Associate

WORK EXPERIENCE

Verizon

Silver Spring, MD

Linux Administrator

July 2016 to Present

- System administration for Red Hat Enterprise Linux servers.
- Deal with the operating system, from application install to server wipe.
- Write Python and Bash scripts to automate processes.

Verizon

Temple Terrace, FL

IT Intern

June to July 2015

- Created a SharePoint wiki by: migrating documents from various sources to the site; creating a useful homepage; creating a system for tagging; and creating workflows.
- Taught myself a subset of HTML, CSS, JavaScript, jQuery.

Duquesne University

Pittsburgh

Research Assistant

April to May 2015

- MATLAB programming in support of theoretical machine learning research.

SELECTED SCHOOL PROJECTS

“Secure” Chat App

- Created an application-layer protocol for peer-to-peer secure chatting, including a third party facilitating key exchange.
- Created a Java GUI application that uses this protocol to chat.

Celebrity Rhyming Dictionary

- Created a Java program that, when given a word, returns celebrity names that rhyme with that word.
- Created a website that interfaces with the program.

Tweet Generator

- Created a Python program that composes tweets commenting on people and entities in the news.
- Used a New York Times API to react to recent headlines.

MISCELLANEOUS

Fraternity President