Mark A Emmons

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Education

University of Illinois at Chicago, Chicago, Illinois   Aug 2012–Dec 2015
- Bachelor of Science in Computer Science—December 2015
  · Minor in Bioengineering and a focus in Mathematics.
- Selected coursework includes Linear and Abstract Algebra, Codes & Cryptography, Secure Computer Systems, Computer Networking, and Artificial Intelligence.

Affiliations

UIC Bioengineering Student Journal — Editorial Board Member
- Chief Editor from Fall 2014 to Spring 2015.
- Author of *Advances in DNA Computing and Molecular Programming*.

President's Award Program Scholar

Selected Projects

Arch Linux Installation Script
- Automated OS installation and development environment setup in Bash.

ISOMaster
- Simplified creation of customized Arch Linux installation ISOs utilizing Docker.

Sudoku Solver
- Dancing Links implementation in Java for solving Sudoku puzzles using Algorithm X.

Work Experience

JPMorgan Chase, Chicago, Illinois

Account and Reference Data Analyst   Sep 2017 – Present
- Built profiles and transmissions while communicating with project managers, connectivity analysts, and technology partners to meet client needs and deliver finished projects in a cost and time efficient manner.
- Subject-matter expert for Enhanced Healthcare. Created thorough documentation, participated in knowledge sharing calls, and assisted management on escalated production issues.
- Oversaw the migration of over six hundred email and fax transmissions. Provided training for new hires and contractors in addition to automating the creation of daily reports to ensure a successful cutover was achieved on schedule.
- Product Owner for client services Tableau dashboards and support database. Initiated story reviews, lead communication between business teams, and managed prioritization/escalations.
- Point of contact for machinery migration. Assisted Technology in development and execution of a conversion tool for mapping old machinery registry settings to compatible ini files. Ran ad-hoc queries for Operations to identify candidates for early migration waves.
- Authored Powershell modules and cmdlets for enhanced productivity. Tools include a check digit calculator and utility to extract stacked TIFF images from a specialized binary container.

Skills

Languages
- Powershell, C#, C/C++, Bash, SQL(MS/Postgres), Python, LaTeX.

Tools
- Git/Github/Bitbucket, Jenkins, Docker, GNU GCC/GDB/Make, Virtual Box, Postman.