

# 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.
  - Minor in Bioengineering.
- 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

Aug 2013–May 2015

- 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 machine 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++, Unix Shell(Bash/Zsh), SQL(MS/Postgres), Java, Python, L<sup>A</sup>T<sub>E</sub>X.

**Tools**

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