

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.
- McHenry County College**, Crystal Lake, Illinois Jun 2011–Aug 2012
- General education courses.

Selected Coursework

Linear Algebra, Abstract Algebra, Atomic and Molecular Nanotechnology, Introduction to Bioinformatics w/ Lab, Operating Systems, Artificial Intelligence, Computer Networking, Secure Operating System Design, Secure Computer Systems, Codes and Cryptography.

Selected Projects

Arch Linux Installation Script

- Automated installation and development environment setup in Bash.

Sudoku Solver

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

Intel Emulator

- 8080 CPU emulator written in C.

Awards & Activities

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

NodeSchool Chicago — Mentor

Work Experience

JP Morgan & Chase, Chicago, Illinois Sep 2017 – Present
Account and Reference Data Analyst – Contractor

- Set up and QA'd new customer lockboxes in a controlled testing environment.
- Migrated lockboxes into production after receiving confirmation of successful test transmission.

Hahn's Bakery, Geneva, Illinois Jun 2011 – Jan 2017
Sales Manager

University of Illinois at Chicago, Chicago, Illinois Sep 2012 – Dec 2015
Student Employee

Freelance Web Developer Nov 2013 – Feb 2015

Skills

Languages

- C/C++, Java, Bash/Zsh, Javascript (Node.js, Express, React, Redux, Electron), Python, Ruby, PHP, MySQL, JSON, L^AT_EX, HTML5, CSS (SASS).

Operating Systems

- Windows (XP — 10), Linux (Arch, Fedora, Kali, Ubuntu), OSX.

Tools

- Git/Github, Vim, Visual Studio, IntelliJ, Docker, Webpack, Babel, Virtual Box, Postman.