# 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 QC'd new customer lockboxes in a testing environment.
- Migrated lockboxes into production after receiving confirmation of successful test transmission.
- Validated tax forms and vouchers for the state of Michigan.

**Hahn's Bakery**, Geneva, Illinois — Jun 2011 – Jan 2017

**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, LaTeX, 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.