

## Education

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*M.S. Computer Engineering, Specializing in Computer Systems Software, Illinois Institute of Technology*  
Expected 2022.

*B.S. Computer Engineering*

- **Illinois Institute of Technology** Expected 2022. **GPA: 3.962**
- Study Abroad: **Lunds Tekniska Högskola** Lund, Sweden. 2019 — 2020

### Course Work

|                       |                            |                                      |
|-----------------------|----------------------------|--------------------------------------|
| Digital System Design | DC/AC Circuit Analysis     | Computer Architecture and Assembly   |
| Thermo-Fluid Dynamics | Probability and Statistics | Complex Variables and Matrix Algebra |
| Secure System Design  | Network Architecture       | Concepts of Programming Languages    |
| Systems Programming   | Functional Programming     | Object-Oriented Programming          |
| Compilers             | Operating Systems          | Data Structures and Algorithms       |

## Proficiencies

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### Programming Languages

- C
- MC68k Assembly
- MIPS
- Java
- Python 3
- Haskell

### Software

- Git
- L<sup>A</sup>T<sub>E</sub>X
- LINUX
- NIX
- Microsoft Office Suite

### Hardware

- Oscilloscope
- Analog/Digital Function Generator
- Digital Logic Analyzer

### Human Languages

- English, Native.
- Spanish, Fluent.
- Swedish, Beginner.

## Professional Experience

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**Intern, Mazarine Ventures**, Chicago, IL

JUL 2020 — AUG 2020

*Technical Specialist*

MAY 2019 — AUG 2019

- Automated and refined deal flow database with partners in VC firm
- Redesigned and optimized website
- Unified digital presence through common media collection and sharing tool
- Organized and documented networking configuration of firm's online resources

**Intern, Nalco Water, an Ecolab Company**, Naperville, IL

MAY 2018 — AUG 2018

*Technical Manual Specialist*

DEC 2017 — JAN 2018

- Reviewed, revised, edited, and drafted technical manuals for water treatment equipment
- Revised training materials for new employees and helped develop training curriculum
- Created automated templates and formatting macros for others to use in developing new manuals adhering to department standards
- Developed code in VBA for automated pricing tools, integrating MS Word and MS Excel, and developed training materials for sales team
- Leveraging Adobe RoboHelp, converted manuals to a cloud-based HTML5 version, allowing access to manuals from mobile phones, tablets, and laptop computers

**Barista, Starbucks**, Geneva, IL

MAY 2015 — AUG 2017

- Reported to store manager
- Made handcrafted beverages
- Maintained clean facilities that exceeded health inspections
- Responsible for training new employees on drink creation and standards.

## Other Activities

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### TRIANGLE FRATERNITY, ARMOUR CHAPTER

#### HOUSE MANAGER

Member of Chapter Executive Board. Responsible for keeping facilities in livable condition. Responsible for organizing both regular House duties and pre-semester work week.

#### FILESERVER/WEBSITE ADMINISTRATOR

Maintain chapter website. Replaced outdated Linux server with new FreeBSD-based system. Determine requirements and identified budget, obtained funds from National organization, and replaced hardware.

#### nixpkgs CONTRIBUTOR

Redesigned the GNU Octave definition to allow for declarative installation and management of add-on libraries.

#### home-manager CONTRIBUTOR

Refactored `mbsync` configuration module to allow for more granular control over how email is fetched.

Added configuration module for the mu email indexing and searching program.

### CYBERHAWK SECURITY

Participate in bug bounties, capture-the-flag competitions

### ETA KAPPA NU, HKN

Member of IEEE honor society

### TAU BETA PI, TBII

Member of Engineering Honor Society

### MARTIAL ARTS CLUB

Vice President (2018).

3<sup>rd</sup> Degree Black Belt.

Tang Soo Do Instructor.

## Honors

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|--|----------------|
| <b>Illinois Institute of Technology</b> — Dean's List        | 2017 — 2020    |
| <b>Illinois Institute of Technology</b> — Camras Scholarship | 2017 — PRESENT |
| Batavia High School — Highest Honor Roll (> 4.375 GPA)       | 2013 — 2017    |