Ian Kollipara

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EDUCATION

Concordia University, Nebraska — Seward, NE
Bachelor of Science Computer Science — *Fall 2019 – May 2023*
- Mathematics Minor
- Major GPA: 3.84
- Top 300 in University, Fall 2019
- Top 300 in University, Spring 2022
- Regent's Scholarship Recipient

Concorida University, Nebraska — Seward, NE
Bachelor of Science-Education Elementary Education — *Fall 2019 – May 2023*
- Lutheran Teacher's Diploma
- Information Technology Certification
- Major GPA: 3.92

University of Nebraska – Lincoln — Lincoln, NE
PhD - Computer Science — *Summer 2023 – Present*
- Presented at NETA Spring 2024
- Developed conneCTION, a platform for Computer Science Education

EXPERIENCE

Summer Camp Staff — May 2012 – August 2021
Trinity Lutheran Summer Camp — *Lincoln, NE*
- Volunteered for 4 Years - 2012-2016
- Assistant Group Leader - 2018-2021

After School Staff — January 2020 – Present
St. John's Child Development Center — *Seward, NE*
- Assistant Group Leader - 2020-Present

Software Developer — May 2018 – Present
PictureBook, LLC — *Lincoln, NE*
- Co-founded in 2018
- Lead Frontend Developer for WEBook

Summer Intern — Summer 2022
University of Texas - Dallas — *Richardson, TX*
- Solo Research in Medical Cyber-Physical Systems

COMMUNITY & LEADERSHIP

Assistant Coach — May 2023 – Present
Concordia University Programming Team — *Seward, NE*
- Created an Tech-Infused Escape Room

Co-Founder/Vice President — August 2021 – Present
Concordida University Computer and Technology Club — *Seward, NE*
- Primary Developer for Handin

Teacher's Assistant — August 2021-December 2021
CS 331 Software Engineering — *Seward, NE*
- First TA ever for CS 331
- Wrote Web Development Section of the Curriculum
- Taught Lecture for Web Development Section

| **Teacher's Assistant** | January 2022-May 2022, August 2022-December 2022 |
| CS 131 Computer Programming I | *Seward, NE* |

Teacher's Assistant — January 2022-May 2022, August 2022-December 2022
CS 131 Computer Programming I — *Seward, NE*

Player-Coach — August 2021-Present
Concordia University Super Smash Bros. Ultimate — *Seward, NE*

Contestant — Spring 2020, Spring 2022
Concordia University, Nebraska International Collegiate Programming Contest Team — *Seward, NE*

- Top 25 in Region

Projects

conneCTION | *PHP, Laravel, Livewire* — October 2023–Present

- Research Project
- An online Community of Practice for CS Education
- Deployed at connection.unl.edu

Elysium | *Python, Deta* — Jaunary 2022 - May 2022

- Personal Project
- Python ODM for Deta.sh's Base
- Translates Python lambda expressions into Base queries
- Contains hand-written python bytecode decompiler

Django-Meili | *Python, Django, Meilisearch* — January 2024 – Present

- Personal Project
- Django-specific integration with Meilisearch
- Contains custom Django Queryset for Meilisearch

Monadic-Error | *Python* — January 2024 – Present

- Personal Project
- Type-safe Implementation of Error Monads in Python
- Contains custom generic implementations for full type safety

Technical Skills

Languages: Python3, Typescript, PHP, Javascipt, Haskell, CSS, HTML
Frameworks: FastAPI, React, Laravel, Next.js, Vue, Bulma, Bootstrap(4 and 5)
Developer Tools: VSCode, Insomnia, Vim, SSH, Terminal, Zsh, JQ
Libraries: Pydantic, Express, Requests, Jinja2, PyQt5, JQuery
Research Tools: LaTeX, Zotero, arXiv, Obsidian