# Damir Temir

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## EDUCATION

**University of Illinois Springfield** — Springfield, IL
*B.Sc. in Computer Science, Minor in Mathematics, GPA: 4.0/4.0* — *Aug. 2019 – May 2023*
- Relevant Coursework: Programming Concepts, Discrete Structures, Data Structures & Algorithms, Applied Statistics, Calculus 2, Linear Algebra, Computer Organization, Introduction to Neural Networks
- Activities: Capital Honors Program, Peer Mentor for first-year students, Peer Tutor in Computer Science
- Achievements: Full-Ride Scholarship Recipient, Dean's List Honoree, Outstanding Sophomore Award

## EXPERIENCE

**Open-Source Fellow** — September 2021 – Present
*Major League Hacking* — *Remote*
- Improved the core of an open-source project BentoML used by Data Scientists to deliver their Machine Learning projects in production
- Learned the best practices of Git and GitHub Project Management, exploring ways to work collaboratively

**Pre-Fellow** — July 2021 – August 2021
*Major League Hacking* — *Remote*
- Collaborated with a team of international developers to build group projects in a professional setting with daily standup meetings
- Assembled a Discord interface to automate daily GitHub discussion posts using REST APIs
- Contributed 20 Pull Request to team projects, actively supporting the development of group ideas

**Deep Learning Research Assistant** — June 2021 – August 2021
*Stanford University* — *Stanford, CA*
- Developed a statistical interface to control distributions of amino acids produced by a Convolutional Neural Network
- Remodeled the *Protein Sequence Design Algorithm* using a Graph Neural Network to speed up sequence initialization by 300%
- Documented and presented research findings at the Protein Design Conference, *Summer RosettaCON 2021*

## PROJECTS

**Fellowship Prediction** | *Python, BentoML, Docker, Flask, React, Git* — June 2021 – August 2021
- Constructed a web tool to analyze GitHub Profiles of aspiring MLH Fellows for them to gain insights into their statistics
- Utilized the best collaborative practices with GitHub Projects, Pull Request Templates, and Extensive Documentation
- Mined data on over 600 GitHub users to deliver a BentoML Prediction Service in production on Heroku with Docker

**Resfile Interface** | *Python, PyTorch, NumPy, PyRosetta, Git* — June 2021 – August 2021
- Built a statistical interface to modify the logits in PyTorch tensors under the Pseudo-Log-Likelihood (PLL) mathematical model to produce *internal hydrogen bonding networks*
- Substituted the Baseline Convolutional Neural Network Model with a Graph Neural Network, increasing the time efficiency of initializing the starting sequence for protein design by 300%

**U.S. Consumer Complaint Analysis** | *Python, Pandas, NumPy, Scikit-Learn, Folium, Git* — April 2021
- Analyzed an extensive federal dataset about the type of consumer complaints on financial institutions, building a heuristic model to rank their actions based on the volume, response type, disputes, and location
- Reported results with the most highly and poorly rated financial institutions, presenting results in graphs, plots, and maps

## TECHNICAL SKILLS

**Languages**: Python, SQL (Postgres), JavaScript, HTML/CSS
**Frameworks**: PyTorch, Django, BentoML
**Developer Tools**: Git, Docker, Heroku
**Libraries**: NumPy, pandas, Matplotlib, scikit-learn