

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

TECHNICAL SKILLS

Languages: Python, SQL (Postgres), JavaScript, HTML/CSS

Frameworks: PyRosetta, PyTorch, Django, BentoML

Developer Tools: Linux, Git, Docker, Heroku

Libraries: NumPy, pandas, Matplotlib, scikit-learn

EXPERIENCE

Open-Source Fellow

September 2021 – Present

Major League Hacking

Remote

- Built support for PyCaret framework in the core of an open-source project BentoML to deliver ML models in production with API requests and batching
- Maintained the open-source project with PRs, Code Reviews, and Integration Tests

Pre-Fellow

July 2021 – August 2021

Major League Hacking

Remote

- Assembled a Discord interface to automate daily GitHub discussion posts using REST APIs
- Contributed 20 Pull Request to team projects, actively developing group ideas
- Collaborated with a team of international developers to build group projects in a professional setting with daily standup meetings

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

September 2021

- Constructed a web tool to analyze GitHub Profiles of aspiring MLH Fellows for them to gain insights into their statistics
- Mined data on over 600 GitHub users to deliver a BentoML Prediction Service in production on Heroku with Docker
- Utilized the best collaborative practices with GitHub Projects, Pull Request Templates, and Extensive Documentation, winning an Orientation Hackathon

Resfile Interface | Python, PyTorch, NumPy, PyRosetta, Git

June - September 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