Christian Hennig

920-250-0324 - chip.hennig@gmail.com

Education and Training

Milwaukee School of Engineering: Senior   **GPA: 3.16**
B.S. Computer Science   **Expected Graduation: Fall, 2022**
Milwaukee, WI, United States

Skills

- Java, Python, C#, and C++
- pandas, NumPy, and matplotlib
- Sci-kit learn and PyTorch
- Jupyter and Anaconda
- ReactJS, Node, and Flask
- MySQL and MongoDB
- Scrum, GitLab, and Jira
- AWS: Amplify, ElasticBS etc.
- Linux
- Calculus / linear algebra, machine and deep learning

Work Experience

Data Science Intern - Direct Supply   Summer 2022 - Present
Milwaukee, WI
- Exposure to deployment of ML apps (IaC, CI/CD) and use of internal deployment platforms
- EDA, ETL, and other data science techniques with intention to utilize machine learning

Research Assistant - Inception Health from Medical College of Wisconsin   Fall/Winter 2020
Milwaukee, WI
- https://inceptionlabs.org/ associated with https://www.inceptionhealth.io/
- ML and data science techniques to model patient social health
- Publication drafting for conversational Ai in healthcare

App Developer Intern - Circa   Summer 2021
Milwaukee, WI

Student Tutor - MSOE Raider Center of Academic Success   March 2019 - March 2020
Milwaukee, WI

Student Employee - Network Services/IT, Martin Luther College   Summer 2019
New Ulm, MN

Accomplishments / Projects

- **Emotion detection**
  - Tensorflow residual model trained on the AffectNet face-emotive dataset
    - https://github.com/ChipHennig/group6_discoveryworld_CNN
  - Deployed in an OpenCV application
- **VexU Robotics competition - Senior project**
  - **Team Recipients of Supercomputer Challenge Award:** https://www.msoe.edu/about-msoe/news/details/msoe-students-awarded-in-first-ever-rosie-supercomputer-super-challenge/
  - **Team Presentation at WSPE Discovery Conference:** https://www.wspe.org/discovery-conference
  - Reinforcement learning solution for robotics ai-strategy platform:
    - https://github.com/msoe-vex/senior-design-adversarial-strategy/tree/main
- **Milwaukee Weather Prediction**
  - Pandas filtering / processing into a seasonal autoregressive model
    - https://github.com/ChipHennig/mke_weather_predict

Student Organizations

- **Team Captain - MSOE Esports (Hearthstone)**   December 2018 to March 2020
- **Founder / Chair - MSOE Chess Club**   December 2018 to March 2020