# David(Jiahao) Fu

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**EDUCATION**

**University of Illinois at Urbana-Champaign**  Expected Graduation Date: May 2025
*Bachelor of Science in Computer Science*  GPA: 4.00/4.00

- Related coursework: calculus, data structure, algorithms, linear algebra, probability theory, computer architecture, machine learning, deep learning for computer vision, database system, system programming, compilers, reinforcement learning
- Dean's List, Fall 2021, Spring 2022, Fall 2022, Spring 2023
- James Scholar, Grainger College of Engineering, Fall 2022, Spring 2023, Fall 2023, Spring 2024

**SKILLS**

| | |
|---|---|
| C++, Java, Python, Git, Microsoft Office, TensorFlow, PyTorch | Advanced |
| C, HTML, CSS, Linux, JavaScript, SQL, React | Intermediate |
| Adobe Photoshop, MATLAB | Basic |

**EXPERIENCES**

**UIUC Forward Data Lab**  Urbana, IL
*Researcher*  *Sep 2023 - Present*

- Mentored by Prof. Kevin Chang and work on exploring new approaches to improve the ability of large language models to conduct long conversations with the help of memory
- Improving algorithms for abstractive question answering on long documents with GPT

**PeopleWeave Project**  Urbana, IL
*Data Recommendation Team Member*  *Apr 2023 – Dec 2023*

- Mentored by Prof. Matthew Caesar and work in group to discuss and implement a new recommendation algorithm with knowledge graph algorithms and Attention mechanism for users

**China Merchants Bank**  Nanjing, China
*Software Development Intern*  *Jun 2023 – Jul 2023*

- Completed several Java projects individually by using frameworks including SpringBoot, Kafka, and MyBatis, and created unit tests for the projects
- Collaborated with mentor to improve the efficiency of the code and eventually publish the projects on production environment

**CMU RoboTutor Team**  Remote
*Data Analytics Intern*  *Aug 2020 – Mar 2021*

- Analyzed data collected by mobile app developed by the team during experiment with the mentorship of the project leader, Prof. Mostow, and collaboration with a senior student
- Predicted future usage of the app by utilizing machine learning model and identified potential problems of the app and provided solutions to these problems to improve the project

**ACTIVITIES**

**UIUC International Collegiate Programming Contest Team**  Urbana, IL
*Team Member*  *Jan 2022 - Present*

- Champion of ICPC Mid-Central Programming Contest 2022 held in February 2023
- 30th place in 2023 ICPC North America Championship held in May 2023

**UIUC ACM Artificial Intelligence and Data Science Group**  Urbana, IL
*Member*  *Aug 2021 – Present*

- Attend weekly meetings and discussions on artificial intelligence and data analytics, presenting influential papers during the meeting
- Collaborate to compete in Kaggle competitions and other data science contests