

CHUN JIE CHONG

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EDUCATION

New Jersey Institute of Technology, Newark, NJ
Ph.D., Computer Science (CGPA: 4.0) Jan 2024 – Present
M.S., Software Engineering (CGPA: 3.95) Sep 2021 – May 2023

University of Arizona, Tucson AZ
B.S., Computer Science (CGPA: 3.65) Aug 2015 – May 2018

RESEARCH EXPERIENCE

Ph.D. Student Jan 2024 – Present
Computer Science Department, New Jersey Institute of Technology
• Studied the privacy and security issues in the use of LLMs.
• Conducted various experiments for the implementation of a prompt sanitization technique, as well as a methodology and framework for comparing AI-generated code and human-written code.
• Working on the improvement and analysis of AI-generated code, and handling crashes and vulnerabilities introduced by updates/new patches in the Android system.

Research Assistant Dec 2021 – Jan 2024
Physics Department, New Jersey Institute of Technology
• Developed a visualization widget for the prediction of Solar Energetic Particle (SEP) events that associates with NASA.
• Utilized Google Charts to display the data.
• Managed the database such as populating tables.

TEACHING EXPERIENCE

Undergraduate Teaching Assistant Jan 2018 – May 2018
University of Arizona
• Assisted instructor with grading assignments and exams
• Clarified students' questions by organizing weekly office hours which enabled essential curriculum understanding
• Assisted instructor with creating curriculum for a course of approximately 60 students

PUBLICATIONS

Chong, C. J., Hou, C., Yao, Z., and Seyed Talebi, S. M. (2025) Casper: Prompt Sanitization for Protecting User Privacy in Web-Based Large Language Models. *IEEE CSCloud 2025*.

Hou, C., **Chong, C. J.**, Yao, Z. and Peng, H. (2025) Catamaran: User Privacy Violation Detection in Mobile Logging. *IEEE SecDev 2025*.

Chong, C. J., Yao, Z., and Neamtiu, I. (2024) Artificial-Intelligence Generated Code Considered Harmful: A Road Map for Secure and High-Quality Code Generation.

Kosovich, P. A., Kosovichev, A. G., Sadykov, V. M., Kasapis, S., Kitiashvili, I. N., O'Keefe, P. M., Oria, V., Granovsky, S., **Chong, C. J.**, and Nita, G. M. (2024) Time Series of Magnetic Field Parameters of Merged MDI and HMI Space-weather Active Region Patches as Potential Tool for Solar Flare Forecasting. *The Astrophysical Journal, Volume 972*.

Ali, A., Sadykov, V. M., Kosovichev, A. G., Kitiashvili, I. N., Oria, V., Nita, G. M., Illarionov, E., O'Keefe, P. M., Francis, F., **Chong, C. J.**, Kosovich, P. A., and Marroquin, R. D. (2024) Predicting Solar Proton Events of Solar Cycles 22–24 Using GOES Proton and Soft-X-Ray Flux Features. *The Astrophysical Journal Supplement Series, Volume 270*.

O'Keefe, P. M., Sadykov, V.M., Kosovichev , A. G., Kitiashvili, I. N., Oria, V., Nita, G. M., Francis, F., **Chong, C. J.**, Kosovich, P. A., Ali, A. and Marroquin, R. D. (2024) The Random Hivemind: An ensemble deep learning application to the solar energetic particle prediction problem. *Advances in Space Research, Volume 74*.

Marroquin, R. D., Sadykov, V. M., Kosovichev, A. G., Kitiashvili, I. N., Oria, V., Nita, G. M., Illarionov, E., O'Keefe, P. M., Francis, F., **Chong, C. J.**, Kosovich, P. A., and Ali, A. (2023) Statistical Study of the Correlation between Solar Energetic Particles and Properties of Active Regions. *The Astrophysical Journal, Volume 952*.

PROFESSIONAL EXPERIENCE

Full Stack Developer Feb 2019 – Jul 2021

Employer: Mercury Systems, Inc., Client: ADP, Inc (Parsippany, NJ)

- Utilized Java, JavaScript, Spring, React, Oracle SQL Developer, Micro-services, and BitBucket for project development.
- Implemented various proxy classes to perform validations for all the values entered by users.
- Provided maintenance for the project as well as support for production issues.

TECHNICAL SKILLS

Programming Languages: Java, C, JavaScript, TypeScript, Python

Operating Systems: MacOS, Linux, Windows

Development Tools: React, Angular, Bootstrap, Google Charts, JDBC, Hibernate, Spring, GIT

Others: JUnit, CUnit, Oracle, MySQL, MongoDB, JSON, XML, HTML, CSS

REFERENCES

Zhihao (Zephyr) Yao, Assistant Professor

Computer Science Department

New Jersey Institute of Technology

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Iulian Neamtiu, Professor

Computer Science Department

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