Linhao Chen

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EDUCATION

Bachelor of Science in Computer Science, Minor in Economics   **GPA 3.99/4.00**
University of California, Davis   September 2020 - June 2022

Major in Computer Engineering   **GPA 3.98/4.00**
University of California, Santa Cruz   September 2018 - June 2020

Coursework: Data Structure, Algorithms, Object-Oriented Programming, Artificial Intelligence, Machine Learning, Computer Architecture, Operating Systems, Probability and Statistical Modeling, Database, Computer Networks, Human-Computer Interaction, Programming Language

Honors & Awards: Highest Honors at Graduation, UC Santa Cruz Dean's Award ($25,000), Dean's Honors List (11 Times)

WORKING EXPERIENCE

Qualcomm Technologies, Inc. | Performance and Architecture Engineer   **Oct 2022 – Present**
- Develop tools for data analysis, silicon profiling, validation, and debugging across all SOC components, etc.
- Perform detailed analysis of the existing software to provide innovative recommendations to improve performance and memory utilization, including software optimizations, SW/HW partitioning, cache/TCM sizing, etc.
- Involvement in the full product life cycle from pre-silicon evaluations to sign-offs.

SUPCON Technology Co., Ltd. | Software Engineering Intern   **June 2021 – Sept 2021**
- Design and develop software for industries like petrochemical and papermaking.
- Test software and find the bugs.
- Cooperate with other engineers to optimize the software products, including front-end and back-end.
- Design and write automation scripts independently to test more than eight software products across the department.
- SUPCON SUP-STAR Excellent Intern Award

UC Davis Computer Science Department | Tutor   **Jan 2021 – June 2022**
- Hold weekly tutoring sessions to help UC Davis students learn Linux and C/C++, especially on object-oriented programming, JSONCPP, pointer, reference, dynamic memory, and data structures.
- Hold review sessions to help students prepare for their quizzes, final exams, and projects.

RESEARCH PROJECT

Deep Learning for predicting Psychotic Episodes in Children   **Jan 2022 – Aug 2022**
- Use Machine Learning from Adolescent Brain Cognitive Development Study Dataset to predict childhood psychotic-like experiences.
- Use Explainable Artificial Intelligence (XAI) to explain how deep learners make decisions in an interpretable manner.

Internet-Less Devices with Ethics AI   **Jan 2022 – June 2022**
- Discover the potential application of Internet-less devices (Raspberry Pi) with smartphones.
- Build up the Ethics AI and discover its application in the real world.