Yifan Wang (PlanD)

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EDUCATION

- **Tsinghua University** *Sep 2017 – Jun 2021*

  Bachelor of Automation Engineering, Minor in Data Science *Beijing, China*

  - **GPA**: 3.81/4.00 (Rank 20/180 in college)
  - **Scholarship**: Tsinghua Academic Excellence Award (Awarded to top 10% students).
  - **Coursework**:

    * Mathematics (Linear Algebra, Calculus, Probability Theory, Cryptography): All **A or A+** grade.
    * Computer Science (Machine Learning, Computer Vision, Natural Language Processing): All **A or A-** grade.
    * Circuits and Systems (Digital Electronics, Hardware Designing, Signal and Systems): All **A or A-** grade.

- **Tsinghua University** *Sep 2021 – Jun 2024*

  Master of Automation Engineering *Beijing, China*

  - **Research Direction**: Zero-Knowledge Proof for validating the integrity of Machine Learning models.
  - **Published Paper**: Second author of CVPR 2022 conference paper: Back to Reality (Code Link).

SKILLS

- **Programming skills** *Sep 2019 – Now*

  - **Excel in Python**: Excel in data crawling & analysis and familiar with the data science related python packages.
  - **Proficient in Machine Learning**: Skilled in using machine learning & deep learning models with PyTorch.
  - **Proficient in Programming**: Skilled in using **C++, NodeJS & TS, Rust** to solve algorithmic problems.
  - **Development Tools**: Skilled in using **Bash & Git** for code management and **ChatGPT 4** to enhance efficiency.

- **Web3 & Crypto skills** *Jan 2021 – Now*

  - **Smart Contract Languages**: Proficient in Solidity, Rust, Move, and TEAL to develop contracts on various public chains such as EVM, Solana, Aptos/Sui, Algorand, with extensive experience in large-scale project development.
  - **Proficient in Web3 research**: Decentralized Finance, Infrastructure, Layer-1 and Layer-2 blockchains.
  - **Proficient in ZKP**: ZK-SNARK principle & its underlying mathematical basis (cryptography & abstract algebra).

INTERNSHIP EXPERIENCE

- **LinkedSee** *Sep 2020 – Oct 2021*

  Data scientist - AI Operation Team *Beijing, China*

  - Developed machine learning models for anomaly detection in AIOps(Artificial Intelligence for IT Operations).

- **Microsoft Resaerch (MSRA)** *Sep 2022 – Dec 2022*

  Python developer - Scientific Computing Team *Beijing, China*

  - Assisted in building DFT (Density-Functional Theory) algorithms for calculating protein molecular structure.

- **Obsidian Labs** *Jan 2022 – Aug 2023*

  Smart contract developer *Shenzhen, China / Remote*

  - **Individually developed four versions of smart contracts** for cross-chain bridge MesonFi on various blockchains, including Algorand, Aptos, Sui and Solana-Rust. This process **spanned over a year**.
  - **Assisted in** developing Solidity smart contract, which is already deployed on 10+ EVM chains.

  Data scientist *Shenzhen, China / Remote*

  - Constructed cross-chain bridges' data dashboard on Dune, Footprint and Sentio using SQL.
  - Wrote 5+ articles about blockchain research on Mirror, Medium and TechFlow (Web3 forums and medias).

- **Infinity Ventures Crypto** *Feb 2023 – Now*

  Research analyst *Shanghai, China / Remote*
  - Researched and evaluated seed-stage projects across various Web3 subdomains, mainly focusing on ZK-Layer2, LSD, Privacy, and Ethereum Infrastructure. Independently produced over 40+ analytical reports.

EXTRACURRICULAR ACTIVITIES

- **Desk4US Public Welfare Project** *Mar 2020 – Sep 2020*

  Co-founder, Technical Team Leader *Remote*
  - Led a team of 100 students to help Wuhan K12 students receive online tutoring during COVID-19.
  - Matched 1k volunteers with 1k K12 students for one-on-one teaching using OR (Operation Research) algorithm.

- **WTF Academy** *Jun 2022 – Sep 2022*

  Core programmer *Remote*
  - Produced 10+ sets of tests for WTF-Solidity, a 8k+ star tutorial for Web3-development beginners on Github.