Jongwon Park

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EDUCATION

University of Illinois at Urbana-Champaign **Aug. 2021 – May 2025**
Bachelor of Science, Computer Science
- Courses: ODE & PDE, Abstract Algebra, Abstract Linear Algebra, Statistical Analysis, Probabilities, DS&A

EXPERIENCE

Diffuse Inc. **May 2022 – Present**
Jr. Trader & Developer (remote) Chicago, IL
- Lead the development of a prop trading tool to manage market exposure with on-chain money markets and options & perps on L2s.
- Establish a rigorous unit-testing & monitoring framework to stress test strategies and track performance.
- Spearhead the due diligence system to analyze protocol & bridge mechanisms and smart contract codebases.

University of Illinois | Alexa SimBot Challenge **Dec. 2021 – Present**
Research Assistant Urbana, IL
- Assist in creating novel multimodal ML models by automating AWS with Dockerfiles and bash scripts.
- Manage core cross-region AWS infra for training and inferences on 200GB+ dataset by eight researchers.
- Explore various NLP and CV models for multimodal learning and fine-tune large models for testing.

UIUC Disruption Lab **Sep. 2021 – Present**
Technical Lead Urbana, IL
- Lead a team of six to develop production-ready Web3 dApp using React.js/Redux for internal clients.
- Spearhead the development of a LinkedIn-like NFT-centric website and an NFT marketplace from scratch.
- Assist other PMs and TLs with domain-specific knowledge and help deliver projects to clients.

MYTY, OFF Live **May 2022 – Aug. 2022**
Software Engineer Intern (remote) South Korea
- Coordinated with senior dev to develop smart contract systems for NFT-Metaverse PFP startup.
- Developed Web3 interfaces for MYTY Kit with tools around AWS EC2, DynamoDB, Lambda, and Gateway.
- Deployed two websites to over 10k+ users and facilitated rigorous QA.

PROJECTS

GraDeFi: EVM data analytics | *Python, Rust, Solidity, GraphQL* **Jun. 2022 – Present**
- Set up an automated pipeline to process the influx of EVM chain data on local and AWS servers.
- Experiment with hypothesis tests and ML to combine latent variables and extract meaningful trends.

Continual BERT: Summarizing COVID-19 literature | *Python, PyTorch, NumPy* **May 2020 – Aug. 2020**
- Invented a new BERT structure that utilizes Elastic Weight Consolidation with Fisher matrix to summarize lengthy COVID-19 research literature through long timeframes.
- Published a pre-print on arXiv with 9 citations, received "Promising idea with a weak evaluation" on *EMNLP*.

SKILLS & INTERESTS

Language: C++, JavaScript/TypeScript, Node.js/React.js, Python, Rust, Solidity, SQL, Bash
Technologies: Web3, Web-dev, Blockchain, AWS, Git, PyTorch, Linux/CentOS, Docker