Jongwon Park

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EDUCATION

University of Illinois at Urbana-Champaign **Aug. 2021 – May 2024**

Bachelor of Science, Computer Science

- Courses: Intro to Ordinary Diff. Eq., Intro to Partial Diff. Eq., Intro to C.S., Statistical Analysis
- Activities: ACM (Mobile), PURE research (Algorithmic trading of leveraged ETFs), Disruption Lab (UIUC's iBlockchain tech)

EXPERIENCE

OnePlace Illinois (ACM Mobile) **Jun. 2021 – Present**

Backend Developer *Champaign, IL*

- Design API system using Node.js and PostgreSQL; implement authentication, multi-DB operations, automated deployment, and security checks.
- Review Flutter codes (mobile app) and help factorize functions for bridging with the API.
- Reduced the response time of API's main endpoints from 3000ms to 500ms.

KSA Illinois **Jun. 2021 – Present**

Web Team Lead *Champaign, IL*

- Manage a team of six developers and work with five other teams to introduce new features to the website.
- Migrated the server to DigitalOcean VPS and Cloudflare, cutting the cost by 30%.
- Reduced the initial loading time from 1500ms to less than 300ms via various optimizations.
- Doubled the daily active users (from 150 to 300+) with enhanced features and an university-only forum.

PROJECTS

The Deerfield Scroll **Sep. 2019 – Apr. 2021**

Online Director

- Redesigned the newspaper site and developed an enhanced system to publish and manage articles.
- Increased monthly online visitors by 50% with mobile-friendly UI/UX and automated newsletters.

CovidNOW **Mar. 2020 – Nov. 2020**

Founder & Developer

- Managed the full-stack development of the COVID-19 data website and the auto-scaling backend infrastructure.
- Served over 100k+ unique users location-aware data aggregated with an automated API scraper.

Continual BERT: Summarizing COVID-19 literature **May 2020 – Aug. 2020**

Independent Researcher

- Invented a new BERT structure and programmed the implementation in PyTorch.
- Utilized Elastic Weight Consolidation with Fisher matrix and other statistical models to summarize lengthy COVID-19 research literature in up to five paragraphs.

SKILLS & INTERESTS

Language: Korean (native); English (fluent); Spanish (4yrs)

Skills: Python (PyTorch, Tensorflow); JavaScript/Node.js/React.js; Kotlin; PHP; Objective-C; Frontend; AWS; GCloud; Linux; GitHub; DevOps; Flutter (Dart); Golang; Kaggle