Art Chaidarun

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EXPERIENCE

Duolingo (educational technology) – Pittsburgh, PA — 2014-now
Principal Software Engineer
- Highest-ranked individual contributor in a technical role
- Lead developer of flagship apps for Android, web, and Windows
- Rewrote entire web app from scratch, reducing load times by 80% and raising developer satisfaction (NPS) from -86 to +100
- Reduced Android crashes by 90%, led migration from Java to 100% Kotlin, raised developer satisfaction (NPS) from -71 to +56
- Sole developer of Windows app, ranked #1 in Education with 4.6 stars
- Implemented an API redesign that reduced network transfer by 90%
- Wrote much of Python backend and entirety of web frontend for the Duolingo English Test, an entrance exam at over 4000 universities
- Served as "IPO engineer" by building automated financial reporting systems and the investor relations portal
- Led various company-wide initiatives such as Duolingo's public blog, internal corporate wiki, annual hackathons, and daily dinner order
- Member of committees overseeing information security, interviewing, code review practices, and knowledge management at Duolingo
- Admin of several IT systems such as Google Workspace, Slack, Jira, Confluence, GitHub, Dropbox, and physical access to office buildings

OpenAI (artificial intelligence research) – San Francisco, CA — 2017
Software Engineer
- Set up research infrastructure such as GlusterFS and Azure Batch
- Created internal dashboards and CLIs for managing experiments

EDUCATION

University of Virginia — 2013
Bachelor's degree in Computer Science and Mathematics
- GPA: 3.78, Major GPA: 3.94, SAT: 1600+730
- Order of the Orange Stole (completed double major in 2.5 years)
- Echols Scholar (top 5% of incoming freshman class)
- Head teaching assistant for Software Development Methods
- University-employed tutor for Calculus II, Honors Calculus III, Probability, Ordinary Differential Equations, Survey of Algebra

RESEARCH

- N. Chaidarun, S. Tepsuporn, R. Hayes, P. Beling, W. Scherer and S. Grazioli, "Computational Intelligence in Financial Engineering Trading Competition: A system for project-based learning," *Proceedings of the Winter Simulation Conference 2014* — 2014
- R. Hayes, A. Todd, N. Chaidarun, S. Tepsuporn, P. Beling and W. Scherer, "An agent-based financial simulation for use by researchers," *Proceedings of the Winter Simulation Conference 2014* — 2014

SKILLS

Android, ASP.NET, AutoHotkey, AWS, Azure, Bash, Batch, C#, C++, CSS, Docker, Electron, Elixir, GCP, Git, Heroku, HTML, iOS, Java, JavaScript, Jenkins, Kotlin, Kubernetes, Linux, Lua, macOS, PHP, PowerShell, Python, React, Redis, Rust, SQL, Swift, Terraform, TypeScript, Windows