Art Chaidarun

chaidarun.com · github.com/artnc · linkedin.com/in/artnc

EXPERIENCE	**Duolingo** (language education app) – Pittsburgh, PA	2014-now

Staff Software Engineer
- Platform owner of flagship apps for Android, web, and Windows
- Reduced baseline Android crashes by >90%, led migration from Java to 100% Kotlin, raised developer satisfaction (NPS) from -71 to +56
- Rewrote web app from scratch using modern tech stack, reducing load times by 80% and raising developer satisfaction from -86 to +100
- Sole developer of universal Windows app for desktop and mobile, ranked #1 in the Education store category with a 4.6 star rating
- Designed and implemented internal API v2 on both backend and Windows app, where network transfer was reduced by 90%
- Wrote much of Python backend and entirety of web frontend for the Duolingo English Test, an entrance exam at hundreds of universities

OpenAI (artificial intelligence research lab) – San Francisco, CA — 2017
Member of Technical Staff
- Built dashboard and CLI tools for managing research experiments
- Set up infrastructure components, e.g. GlusterFS and Azure Batch

Epic Systems (healthcare software) – Verona, WI — 2013
Software Development Intern
- Streamlined diagnosis search interface using C# and JavaScript
- Conducted usability testing with local physicians

EDUCATION

University of Virginia — 2013
Echols Scholar, Computer Science and Mathematics
- GPA: 3.78, Major GPA: 3.94, SAT: 1600+730
- Head teaching assistant for Software Development Methods
- Private tutor for Calculus II, Honors Calculus III, Probability, Ordinary Differential Equations, Survey of Algebra

RESEARCH

UVa Financial Engineering Research Group — 2012-14
Software Developer
- Modeled interactions between hundreds of market agents in Java
- Visualized real-time price and order data, designed user interface
- Built trading platform using Flask, Backbone, PostgreSQL, Heroku
- Hosted IEEE's CIFEr Hedge Fund Competition over 40-day period

AWARDS

UVa Order of the Orange Stole (completed double major in 2.5 years)	2013
UVa Echols Scholar (top 5% of incoming freshman class)	2011
1st place at Knowledge Bowl Washington Finals	2009
1st place in Math League, UKMT, AMC, AIME (school level)	2007-11

SKILLS
- Daily: TypeScript/JavaScript, Kotlin, Android, Python, AWS, HTML/CSS, Docker, React/Redux, Pyramid, Bash, Linux, Git
- Occasionally: C#, PostgreSQL, MySQL, Redis, Backbone, UWP, Windows, XAML, Elixir, Phoenix, Nginx, Heroku
- Rusty: Java, PHP, C/C++, AngularJS, Apache, LaTeX