Korede Aderele

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I like studying, building and using computers and other tools for thought. My goals revolve around broadening the agency of marginalized people in Africa and around the world, with a particular focus on my home city of Lagos, Nigeria

Experience

Software Engineering Intern
Dark Inc. *April - August 2019*
- Worked on a holistic programming language, structured editor and infrastructure tooling
- Made cross-functional contributions in a small development team in the critical months preceding launch
- Specified and built out functionality for arbitrary clipboard actions (copy, cut and paste), while preserving validity of the Abstract Syntax Tree

Engineering Practicum Intern, Brain (ML)
Google Inc. *June - September 2018*
- Worked on the TensorFlow Extended (TFX) team building a tool for simulating training pipelines for machine learning models, using *Go*, *C++* and *Borg (Kubernetes)*
- Applied my knowledge of open source infrastructure tooling in writing a proposal for flexible and OSS-friendly state management in ML training pipelines

Software Engineering Intern, Infrastructure
Coinbase Inc. *April - June 2018*
- Built out self-service infrastructure tool to protect codified infrastructure changes by consensus mechanisms.
- Explored potential libraries and tools for the "paved road" for internal Golang services
- Learned and utilized a range of tools including *Go*, *Docker*, *Terraform* as well as Amazon Web Services tools including *SQS* and *Lambda*

Engineering Practicum Intern, Display Ads EngProd
Google Inc. *June - September 2017*
- Worked alongside another intern to develop a database debugging tool for infrastructure engineers, which leveraged the *Polymer* web framework, *gRPC* and *AppEngine*
- Added a useful feature to a widely-used internal *Polymer* component library
- Optimized the machine learning feature extraction pipeline of a separate project using *Go*

Education

Bachelor of Science in Computer Science
Drexel University, Pennoni Honors College
September 2016 - June 2021

Skills

Programming Languages
I'm proficient in or have written production code with *Go*, *Python*, *JavaScript*, *HTML/CSS*, *C++*, *Ocaml* and *SQL*
I am decently familiar with *Haskell*, *Racket (Lisp)*, *Elm*, *C*, *C#*, *Java*, *Rust* and *TypeScript*

Frameworks and Tools
I've made use of the following libraries/frameworks in side projects or at work: *Django*, *Polymer*, *React*, *gRPC*, *Express.js*, *Bootstrap*, *Tachyons*
In my day-to-day programming workflow, i make use of the following tools very heavily: *Vim*, *Bash*, *FZF*, *iTerm*, *RipGrep*, *Tmux*, *Git/Github* and *Perforce*

Development Platforms
During internships and in side projects, i've made use of the following development platforms: *AWS EC2 and Lambda*, *Google Kubernetes Engine*, *Heroku*, *Now.sh*

Applications
I'm familiar with the following software applications: *AutoCAD*, *Sketchup 3D*, *Microsoft Office Suite (Word, Excel, Outlook and Access)* and *Google Docs Suite*

Other Skills
Some other skills I possess include *Public Speaking*, *Product and Visual Design*, *Communication and Collaboration in a team setting*, *Agile Project Workflow (Scrum)*, *Leadership in various size groups* and *DSLR Photography*

Spoken Languages
I'm fluent in English, Yoruba and Nigerian Pidgin

Leadership Roles and Awards

Project Lead, Senior Design Project
Drexel University, College of Computing and Informatics
September 2019 - Now

Treasurer, Drexel University Chapter
National Society of Black Engineers *June 2018 - August 2019*

Resident Assistant
Drexel University *September 2017 - March 2018*

Telecoms Chair, Drexel University Chapter
National Society of Black Engineers *June 2017 - June 2018*

Drexel Global Scholar, Full-Tuition Merit Scholarship
Drexel University *September 2016 - Now*