DEONTÉ VANTERPOOL

+1(412) 287-3150 ◇ Pittsburgh, PA

deontevanterpool.com | deonte.vanterpool@outlook.com | linkedin.com/in/deontev | github.com/deontevanterpool

EDUCATION

Bachelor of Science in Computer Science, University of Pittsburgh   Expected 2027
Relevant Coursework: Algorithms and Data Structures 1 & 2, Discrete Structures, Matrices and Linear Algebra, Computer Organization and Assembly Language, Systems Programming, Technical Writing

SKILLS

Languages	Java, Kotlin, Rust, Go, Python, Typescript, HTML, CSS, C
Frameworks/Libraries	Svelte, Pytorch, Numpy, Matplotlib, GeoPandas
Databases	PostgreSQL, Redis, MongoDB
Tools	Postman, Git, Vim, VSCode, Figma, Android Studio
Other Technologies	Linux, AWS, Firebase Authentication

EXPERIENCE

Google   May 2025 - August 2025
Associate Software Developer Intern (functionally SWE)   *Mountain View, California*

- Independently developed a new Server-Driven UI feature for an Android app using Java and Kotlin
- Wrote unit tests, screenshot tests, and RPC integration tests to ensure robustness and reliability
- Wrote design documents to support underting and guide potential adoption elsewhere in the codebase
- Modified Android client-side code to add new feature to an existing UI component, to achieve stretch goals
- Facilitated remote discussions with the Product Manager and UX Designer to finalize new UI component design
- Lead a live demo of my final project
- Created an a/b experiment testing plan to determine user reception of the new feature

BDO Limited   June 2024 - August 2024
QA Intern   *Tortola, British Virgin Islands*

- Conducted feature testing, smoke testing, and regression testing of 2 financial services systems
- Created the majority of tickets for the next 2 releases of the system
- Wrote test scripts for a complex statistical analysis page
- Trained a new quality analyst in utilizing one of the systems
- Worked with developers, quality analysts, and clients globally (Canada, Mauritius, Nevis) using MS Teams

PROJECTS

Full Stack Inventory Manager. [(Github + Demo)](Github)

- Independently designed and developed an inventory manager app for a grocery store
- Gathered product requirements and wrote documentation
- Used web technology for the frontend (Svelte, HTML, CSS, Typescript) allowing cross-platform development and UI
- Leveraged bcrypt hashing for authentication
- Backend uses a PostgreSQL Database
- Leveraged Tauri app framework to call Rust code and define models directly from the frontend

Domain Specific Language. [(Github)](Github)

- Designed and implemented a domain-specific language (DSL) as part of NolaTask Task Manager
- DSL is transformed to SQL queries to filter tasks
- Hand-crafted Recursive Descent parser, with Trie-based autocompletion to ensure fast suggestions
- Levenshtein distance algorithm fuzzy matches suggestions to improve typo-tolerance
- Trained AI Recurrent Neural Networks to tie-break suggestions, improving accuracy
- Stored training data in parquet files for compression and fast read/write speeds

INTERESTS

- National Ethics Bowl, Muay Thai, Linux Configuration, Blogging, Movies, Philosophy, Novels