NOAM BENDELAC

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SUMMARY

I am a software engineer and UX designer who excels at rapid prototyping and production-ready code. I love working with other developers and designers to create seamless user experiences.

EDUCATION

Virginia Tech, Blacksburg, VA
- **M.Eng., Computer Science**, Human Computer Interaction concentration, Expected May 2023
- **B.S., Computer Science**, Human Computer Interaction minor, GPA 3.90, May 2022
- Coursework: (Usability Engineering) (HCI Capstone) (User Interfaces) (Intro HCI)
  (Computer Graphics) (Computer Systems) (Data Structures & Algorithms)

EXPERIENCE

Android Software Engineering Intern, WillowTree LLC *2021-2022*
- Implemented new features, architecture refactorings, and accessibility and performance fixes
- Collaborated with client and in-house designers to refine requirements and implement designs
- Communicated with agile teams of test engineers, product architects, and product owners
- Utilized modern Android architecture, Kotlin Flow/Coroutines, Dagger, and RxJava
- Contributed to an app with 10 million downloads for a Fortune 500 media company

Undergraduate Research Assistant, Virginia Tech *2019-2021*
- Developed a full-stack web app for an HCI study on enhanced collaborative playlists UX
- Designed REST API and user interface to best facilitate user communication. Source on GitHub

Software Engineering Intern, Salesforce Inc *2020*
- Collaborated closely with other intern on in-app tabs auto-close feature
- Improved memory usage and tab-closing UX while maintaining accessibility

Digital Signal Processing Intern, CACI International Inc *2019*
- Designed and implemented a UI for a customer demo
- Communicated with DSP engineers to translate technical information to client-friendly UX

PERSONAL PROJECTS

Spatial Audio Design Editor *2022*
- Designed and implemented a 3D spatial audio editor and visualizer using Three.js and shaders.
- Source and demo on GitHub

Stargazing App Design and Prototype *2021*
- Designed, prototyped, and evaluated the usability of a stargazing guidance app
- Reports and prototype available at noambendelac.xyz

Classmate Finder Google Form Plugin *2019*
- Volunteered to develop a Google Form plugin that connects students in the same courses
- Helped on campus residence community make connections during Covid-19 pandemic

Neural Network and RPi Based MIDI Music Recognition *2016*
- Developed a C++ neural network library that identifies music played on a MIDI keyboard
- Won school-level and regional science fair; participated in state-level science fair

SKILLS

(Kotlin) (Typescript) (Javascript) (HTML/CSS) (GLSL) (Java) (Python) (C) (C++)
(Figma) (Wireframing) (React) (Android) (OpenGL) (Three.js) (Node.js) (Git)
(MIDI) (FAUST) (Arduino) (Analog circuits) (3D CAD and printing) (soldering)
Fluent in English and Hebrew

ACTIVITIES & AWARDS

Dean's List *2018-2022*
Linguistics Club, officer *2019-2020*
Science fair: School-level *2016-2018*; first place in regionals and state level participant *2016*