

# Nathaniel Koehler

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## Education

**Georgia Institute of Technology** | Atlanta, GA  
BS in Computer Science, Senior, GPA 4.00

*Graduating May 2025*  
**Faculty Honors, Dean's List**

## Experience

- Meta** *May 2024 – August 2024*  
Software Engineer Intern *Menlo Park, California*
- Improved companywide user-privacy compliance by spearheading the global, product-level Privacy Reports Platform
  - Optimized privacy platform by precalculating core metrics within **offline data pipelines**, decreasing loads by **92%**
  - Mastered React, **GraphQL**, & **PHP** as a Privacy Org fullstack intern; **ranked 2<sup>nd</sup>** in productivity out of 80+ FTE peers
- Tesla** *August 2023 – December 2023*  
Software Engineer Intern *Fremont, California*
- Programmed **React.js** **Typescript** frontend to expand engineering tools across Tesla within the Apps & Tools Team
  - Wrote **Django** backend, RESTful APIs, & **Python** scripts for 5 Applications to support 3 separate Tesla teams
  - Led, designed & built a **Python**-backed vehicle surface quality measurement tool for the Austin Metrology Team
- Comcast Corporation, Central Division** *May 2023 – August 2023*  
Applications Development Intern *Atlanta, Georgia*
- Developed the **Angular 2.0** web platform for 3 separate database audit tools with TypeScript & Bootstrap
  - Utilized Entity Framework, C#, & .NET** to construct 15+ API controllers to connect frontend to **Azure databases**
  - Reduced costs by **\$15,000** year on year **per support agent** in deploying **Salesforce & C# ASP.NET** automation tools
- Civic Digital Experience Inc.** *January 2023 – May 2023*  
Software Engineer Intern *Atlanta, Georgia*
- Built a **React.js** component library to reduce page development time & adhere to **Material Design Principles**
  - Developed 12+ website pages for an Administrator Panel within a 6-month client project
  - Integrated **REST API** endpoints to connect React.js & **C# .NET** backend application with **Azure SQL Databases**
- NCR Corporation** *May 2022 – August 2022*  
Software Engineer & UI Design Intern *Atlanta, Georgia*
- Led development of 2 **React.js** based interactive demos for the Aloha Cloud Platform on NCR's product pages
  - Developed 3 pages for Retail Catalog UI within **React.js**, login/logout authentication & **Postman API** testing
  - Made 6 **Figma UX** flows & JS coding the order/payment flow of restaurant service for the Aloha Cloud POS demo

## Projects

- Pandimensional – Cofounder** | React.js, Python (AWS SAM), DynamoDB *August 2022 – Present*
- Built out tech stack for a Fintech live-service tool suite with **AWS S3 + EC2**; utilizing **Django & Flask** middleware
  - Led sprints, design & web deployment using a **Figma** & React.js, constructing API endpoints with Golang
- Slider – Software Engineer** | C#, Unity, Photoshop *January 2022 – May 2023*
- Art/Design for Unity Engine game assets in Slider, Independent Game Awards' **Best Student Game of 2023**

## Organizations

- Georgia Tech Video Game Development (VGDev)** | Unity Games Engineer *August 2021 – Present*
- Mentoring club members in Unity 3D & C#, working with developers in the Georgia Game Developers Association
- GT Augmented Environments Lab** | AR/VR Software Researcher *January 2022 – January 2023*
- UI development with Vue.js & AR/VR User Experience design with Spoke, designing 3 virtual AR environments
  - Collected user feedback & VR research to tailor an interactive user experience, increasing retention by over 30%

## Awards

**VGDev DeLeonic Award** – Awarded for software/design on Slider (IGF 2023 **Best Student Game Winner**) – April 2022

## Skills

**Platforms:** PostgreSQL, AWS (S3 + EC2), **Node.js**, **Azure SQL**, SQLite, GitHub  
**Languages:** Python, C#, C++, JavaScript, C, Java, **TypeScript**, **SQL**, Go, Chinese (Fluent)  
**Frameworks:** React.js, .NET, **Angular**, Entity Framework, ASP.NET, **Django**, Bootstrap, **Flask**  
**Technologies:** AI, REST API (**Django + Flask**), **Docker**, **GitHub**, Unity, **WordPress**, **Jira**, CI/CD DevOps  
**Design:** **Figma**, **Adobe XD**, Scrum, Agile Sprints, InDesign, Canva, **Blender**, **Photoshop**, Premiere, Autodesk Maya