

EZEKIEL D'ASCOLI

SOFTWARE ENGINEER

zeke-d.github.io [linkedin.com/in/ezekiel-dascoli-2023](https://www.linkedin.com/in/ezekiel-dascoli-2023)



EDUCATION

Northeastern University 2018–2023

Khoury College – *Magna Cum Laude, Dean's List*
BS in Computer Science – *Human Centered Computing*
Theatre, Interaction Design minors

PROJECTS

Terrarium

- 1st Place for *Best Use of the Looking Glass*,
Top 10 Overall Finalist @ MIT RealityHack 2022
- Physicalized emotions into a landscape for
holographic display
- Unity, OpenCV, C#, python, HLSL
- Recently exhibited the project at AWE 2023

OpenChiaL

- Renders a triangulated .obj file as a Chia pet!
- Model parsing and rendering engine from scratch
- Implemented paint brush interface to decorate
models with animated grass using deferred rendering
- OpenGL, C++, GLSL, SDL2

Coveytown Battlegrounds

- Programmed a turn-based 2D networked game engine
for a large-scale open-source social media platform
- Led project development, set deadlines and reqs.
- TypeScript, React, PhaserJS, HTML5 Canvas API

BeatBoxer

- A personal clone of a popular VR music-based game
- Feature parity-complete, this time Rocky style!
- Unity, C#, HLSL, OpenXR, Oculus Toolkit

Instagrat

- Tactical-media art installation investigating the impact
social media can have on emotional vulnerability
- Visual clone of popular infinite-timeline social media
- Svelte, JS

More on my website

HOBBIES

Acting, Rock-Climbing, Parkour, Taekwondo, Painting, Sketching, Shader programming, Hacking, Game Jams, Valorant

WORK

Northeastern University

Theatrical Data Science Research Assistant
April 2023 – Present

- Investigating the ability of theater performance to
enhance data accessibility
- Acting, analysis, and conclusions are currently ongoing...

Verve Motion

Software Engineering Co-Op
July – December 2023

- Independently built React app for running manufacturing tests on remote exosuits
- Prototyped 3D Visualization technology for realtime exosuit lift data rendering
- Programmed a go-lang PDF renderer to generate reports via AWS Lambdas
- Designed customer lift report interfaces for digital and print

Places For Less

Software Engineering Co-Op
January – August 2021

- Engineered an address-based apartment search engine
within Laravel/Vue framework
- Homebrewed analytic tools for optimizing automatic
advertisement success
- Integrated backend with Salesforce, Twilio, and Zapier
to automate sales-team workflow
- Improved user search-page load-time by ~71%

Smartleaf Inc.

Software Developer Co-Op
December 2019 – August 2020

- Utilized React, Redux, and plotly API to build a developer tools suite
- Tracked, fixed, & automated testing of major application breaking bugs
- Built large client-facing securities report using Ruby/Rails, Oracle SQL
- Conducted technical interviews and onboarded my proceeding co-ops
- Operated as Release Master for 1 month & deployed 4 production releases