

# Benjamin Wakefield

Available May 2023

Boston, MA

(860) 681-2326

ben@benwakefield.dev

## Skills

Languages	Python   Java   JavaScript   TypeScript   C++   C#   Ruby
Frameworks	Angular   Next   Django   Rails   Phoenix
Libraries	React   PyTorch   Jest   Numpy   Matplotlib   Pygame
Tools	Visual Studio Code   Vim   Git   Firebase   Heroku   Netlify   AWS

## Education

Sep. 2018 –  
Apr. 2023

**Northeastern University** – Boston, MA

**Cumulative GPA:** 3.50

*Bachelor of Science in Computer Science and Music Technology*

**Coursework:** Software Engineering, Object-Oriented Design, Web Development, Algorithms, Computer Systems, Database Design, Human Computer Interaction, Generative Game Design, Music Technology Capstone

## Projects

### Portfolio

Maintained a personal web portfolio: [benwakefield.dev](http://benwakefield.dev)

- React
- JavaScript

### DeepDeadNet

May 2023

Designed, built, and deployed web application which can generate music in the style of the Grateful Dead. Demo: [deepdead.net](http://deepdead.net)

- Django
- PyTorch

### Covey.Town

May 2023

Implemented new features in an existing codebase in a team of four, following agile development practices. Demo: [covey.town](http://covey.town)

- TypeScript
- Jest

### Pip's Quest

May 2022

Designed and programmed a video game with procedurally generated content and adaptive AI. Demo: [benwakefield.dev/pips-quest](http://benwakefield.dev/pips-quest)

- Python
- Pygame

### Harmony

May 2021

Co-developed a web application that allows roommates to coordinate responsibilities. Demo: [harmony.benwakefield.dev](http://harmony.benwakefield.dev)

- Elixir
- Phoenix

### MoMo

Dec. 2020

Developed a mobile application that serves as a portable, deeply customizable multi-effects unit.

- MobMuPlat
- Pure Data

## Experience

Jul. 2021 –  
Mar. 2023

**IT Specialist** – Massachusetts Health Connector

- Managed AWS cloud infrastructure (EC2, S3, Lambda, WorkSpaces)
- Upgraded and deployed local infrastructure (VMware)
- Migrated support services from SpiceWorks to ServiceNow