Joseph Nechleba

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https://josephnechleba.com   https://github.com/jnech1997

EDUCATION

Cornell University, B.A. Computer Science, GPA: 3.7   *Ithaca, NY May 2019*

Relevant Courses: OOP • Data-Driven Web Applications • Operating Systems • Machine Learning for Intelligent Systems • Functional Programming • Systems Design and Programming • Algorithms • Networks • Linear Algebra • Multivariable Calculus • Discrete Structures

SKILLS

Technical: Angular • React • Python • Javascript/Typescript • NodeJS • Java • D3.js • HTML • CSS • SQL • Material UI • Express • Bash • C • NoSQL • MongoDB • NumPy • Git • CoPilot
Language: English (Native)

EXPERIENCE AND PROJECTS

InterSystems Software Developer: *Boston, MA July 2019 - July 2022*
- Clinical Visualizations team (Agile/Scrum): developed Angular library of cross-project components such as top header and left menu, facilitating plug-and-play UI dev and UX consistency across InterSystems HealthShare
- Rebuilt AngularJS Clinical Visualizations app in modern Angular, decreasing project build size by 10MB and enhancing performance
- Coded D3.js clinical viewer for patient data, dynamic iframe client app container, and patient search UI

Portfolio Website: https://www.josephnechleba.com   *Erie, PA Jan 2023-Present*
MongoDB/Express/Angular/NodeJS Stack:
- *Fractal*: *JS visual* of Mandelbrot Set with Zoom/Screenshot, using Tweakpane for parameters UI and WebWorkers to parallel process Mandelbrot calculations
- *User Sign Up/Login*: Implemented JWT Authentication API on NodeJS/Mongoose backend for secure user session management: sign up, login, profile, logout
- *Connected Graph Stars*: CanvasSketch/JS code-as-art passion project
- Other Features: mobile-first, i18n translation, breadcrumbs, dark/light mode

Sabbatical: *July 2022 - Jan 2025*
- Traveled a full circle around the globe through 19 countries to fulfill a lifelong dream
- Freelanced a website for local restaurant in Pontremoli, Italy: https://trattoriapelliccia.it, generating thousands of yearly views and a significant increase in customers

Vimbly Full Stack Developer Internship: *New York, NY Summer 2018*
- Developed SQL models and views for Order History, from Zeplin wireframes to functional React components, as well as a Kakao talk phone number verification system for E-Commerce site Catch Fashion

TA for CS 2110: Object Oriented Programming in Java   *Ithaca, NY Sep 2016 - May 2018*
- Held office hours, graded assignments, and built HyperText Search to help students reference and memorize important OOP/JAVA concepts: https://www.cs.cornell.edu/courses/cs2110/2017fa/online/definitions.html

OTHER INTERESTS

Taekwondo • Travel • Guitar