Joseph Nechleba

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[J] https://josephnechleba.com   https://github.com/jnech1997

EDUCATION

Cornell University, College of Arts & Sciences, Ithaca, NY   May 2019
Computer Science, GPA: 3.7

Relevant Courses: Computer Vision • Data-Driven Web Applications • Operating Systems • Machine Learning for Intelligent Systems • Functional Programming • Systems Design and Programming • Algorithms • Artificial Intelligence • Networks • Unix Scripting • Statistics and Probability • Linear Algebra • Multivariable Calculus • Discrete Structures

SKILLS

Technical**:** Angular • Python • JS/TS • Java • React • D3Js • SCSS • SQL • NodeJS • Bash • C
Language: English (Native) - French (Limited Working Proficiency)

WORK EXPERIENCE AND PROJECTS

Sabbatical: July 2022 - January 2025
- Traveled a full circle around the globe to fulfill a lifelong dream: from Jamaica to Costa Rica, Peru, Argentina, Morocco, Spain, France, Italy, Austria, Germany, India, Thailand, Indonesia, Japan, Hawaii, and Mexico, finally back to the USA
- Gained motivation to build code that helps others and deeper perspectives on cultures

InterSystems Senior Software Developer: July 2019 - July 2022
- *Rebuilt and maintained AngularJS/Angular Navigation App in pure Angular, decreased project size from 18MB to 2.5MB*
- *Developed customize-able pixel perfect Angular library components for integration across all InterSystems HealthShare applications*

Personal Website: January 2023
- *Angular/NodeJS/MongoDB sandbox on Heroku, for experiments and hacking around*
  - *Full Stack Sign In: https://www.josephnechleba.com/#/sandbox/login*
  - *Pokedex with breadcrumbs and loading spinners: https://www.josephnechleba.com/#/sandbox/pokemon*
  - *Various projects, including D3JS visualization of BFS vs DFS and Unity platformer https://www.josephnechleba.com/#/projects*

Cornell Autonomous Systems Lab Research Assistant: Spring 2019
- *Implemented YOLO network and trained custom object detection on mobile robots using Python/ROS: https://youtu.be/Lyq2RXXD3mE*

Vimbly Full-Stack React Developer: Summer 2018
- *Developed Order History and Detail pages from Zeplin wireframes to live components, phone number verification system for E-Commerce site*

TA for CS 2110: Object Oriented Programming in Java   Fall 2016-Spring 2018
- *Built HyperText Search: https://www.cs.cornell.edu/courses/cs2110/2017fa/online/definitions.html*

OTHER

Cornell Sport Taekwondo**:** Captain • 2019 Marx Memorial Prize • French Language House