

# Joseph Nechleba

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<https://josephnechleba.com>



<https://github.com/jnech1997>

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## EDUCATION

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

May 2019

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

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## SKILLS

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

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## 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
- Gained motivation to build code that helps others and deeper perspective on culture

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>*

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## OTHER

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