

Joseph Nechleba

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<https://josephnechleba.com>



<https://github.com/jnech1997>

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

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

InterSystems Senior Software Developer:

July 2019 - July 2022

- *Developed customize-able pixel perfect Angular library components and UIs for use across all [InterSystems HealthShare](#) applications*
- *Rebuilt AngularJS/Angular hybrid app in pure Angular, decreasing project size from 18MB to 2.5MB*

Personal Website: <https://www.josephnechleba.com>

January 2023-Present

- *Angular19/NodeJS/MongoDB/Heroku Stack:*
 - [User Register/Login/Logout Flow](#):
 - ❖ *built and integrated login component/auth service, JWT authentication middleware on Node backend, user model data store in MongoDB with mongoose for secure session management*
 - [DFS vs BFS D3.js Visualization](#): *creates random graph, showing side by side visualization of dfs and bfs to find the path between the start(green)/end(red) nodes in network*

Sabbatical:

July 2022 - Jan 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, Vietnam, Japan, Hawaii, and Mexico*

Vimby Full-Stack React Developer:

Summer 2018

- *Developed Order History and Detail views and models from Zeplin wireframes to functional React components, including phone number verification system for E-Commerce site Catch Fashion*

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>*

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