

# Joseph Nechleba

+857 245 7093 | [jnech16@gmail.com](mailto:jnech16@gmail.com)



<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: Data-Driven Web Applications (Sp18) • Computer Vision (Sp19) • Operating Systems (Sp18) • Machine Learning for Intelligent Systems (Fa18) • Functional Programming (Fa16) • Systems Design and Programming (Sp17) • Algorithms (Fa18) • Artificial Intelligence (Sp18) • Networks (Fa18) • Intermediate Web Development (Sp17) • Unix Scripting (Sp19)

## SKILLS

Technical: Javascript • Java • Angular • Python • React • D3Js • SQL • OCaml • Bash • C  
Language: French (Limited Working Proficiency)

## WORK EXPERIENCE AND PROJECTS

InterSystems Senior Software Developer: Summer 2019-Present

- *Developed reusable and responsive angular components for use within internal company angular library, specifically a configurable top header and left menu*
- *Improved efficiency and readability of navigation application, decreased project size from 18MB to 2.5MB, rebuilt angularJS/angular hybrid app in pure angular v11*
- *Engineered patient context and patient search UI's for clinical lookups*

Cornell Autonomous Systems Lab Research Assistant: Spring 2019

- *Implemented YOLO network and trained model with high accuracy on test data for custom object detection on mobile robots using Python/ROS as part of AI Competition: <https://youtu.be/Lyq2RXXD3mE>*

Vimbly Full-Stack Web Developer: Summer 2018

- *Engineered core features for React E-Commerce site <https://www.catchfashion.com/>*
- *Implemented phone verification system*
- *Developed order history and order detail pages from Zeplin wireframes to live components*
- *Wrote functionality for product search across categories, brands, name, and gender*

TA for CS 2110: Object Oriented Programming in Java Fall 2016-Spring 2018

- *Built HyperText Search for course website: <https://www.cs.cornell.edu/courses/cs2110/2017fa/online/definitions.html>*
- *Held weekly Office hours, graded student assignments and exams*

Trattoria Pelliccia Website \*personal project Spring 2022

- *Built modern angular website for local Italian restaurant in Pontremoli, Italy: <http://trattoriapelliccia.com>*

Java Trie Data Structure \*personal project Spring 2018

- *Implemented Word Trie Data structure in Java: <https://github.com/jnech1997/Trie>*
- *Cut time of dictionary search in half compared to linear on word sets > 100,000 words*

## OTHER

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