

# 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: 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)

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## SKILLS

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

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## WORK EXPERIENCE AND PROJECTS

InterSystems Senior Software Developer:

July 2019-July 2022

- *Developed multiple reusable and responsive angular components for use within a proprietary angular library, such as a highly 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, etc.*

Freelance Development: July 2022

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

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*

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## OTHER

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