

Nick McCrea

Computer Engineer

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EXPERIENCE

Engineering Consultant @ Deepblocks

Nov 2020 - Mar 2021 // Miami, FL

- Delivered several critical capabilities to the Deepblocks platform.

Lead Engineer @ Deepblocks

Sep 2017 - Sep 2019 // Miami, FL

- Programming. Software architecture. Technical strategy. Tooling. Deployments. Hiring. Engineering guidelines and procedures. Project management. Technical documentation.

Lead Engineer @ Kinspire

Oct 2016 - Feb 2017 // Remote

- Built a job-matching platform to help immigrants to the US.

Technical Editor @ Toptal

Aug 2014 - Jun 2016 // Remote

- Brainstorming topics. Providing reviews, feedback, and guidance of drafts. Copy editing and formatting. Coordinating custom illustrations. Finalizing and launching finished articles.

Software Engineer @ PVPower

Feb 2011 - Jan 2013 // Chicago, IL

- Built and shipped a home solar power modeling and optimization tool.

Software Development Intern @ Pathfinder Software

Oct 2010 - Jan 2011 // Chicago, IL

- Lean web development, small teams, sprints, test-driven development, and other agile development methods.

Software Tester @ Telezygology

Sep - Oct 2010 // Chicago, IL

- Scientific testing of control software for remotely-controlled storage locks.

EDUCATION

University of Florida

2010 // Gainesville, FL

Bachelor of Science in Computer Engineering, Hardware Concentration

- Focus on digital logic and digital circuit design.
- Senior project investigated emergent behavior in complex systems.

SKILLS

Languages

JavaScript, TypeScript, Ruby, C++, Python, Bash, HTML5, CSS3, SQL

Libraries, Frameworks, & Platforms

React, Redux, Ruby on Rails, Node, AWS, Linux, Docker, Git, VSCode, PostGIS, Mapbox

Methodologies

Agile, TDD, Continuous Integration, Rapid Prototyping, Critical Path, Code Review

Other

Digital Circuits, GIS, Robotics, Machine Learning, Research, Technical Writing, Teaching and Mentorship

CERTIFICATIONS

Machine Learning @ Coursera

Aug 2013

Cryptography I @ Coursera

May 2013

Control of Mobile Robots @ Coursera

Mar 2013

PROJECTS & PUBLICATIONS

Sobot Rimulator

Mobile robot simulation and control project demonstrating hybrid automata control theory. Open source. Python.

An Introductory Robot Programming Tutorial

Popular robotics article supplementing Sobot Rimulator.

An Introduction to Machine Learning

Popular ML article describing linear and logistic regression with gradient descent.

Recurzor

A fun tree fractal creator. Open source. React, TypeScript, Node.

INTERESTS

Space Exploration, AI, Robotics, History, Natural Science, General Nerdery