NICOLAS S. MONTANARO

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Seeking a challenging full-time position where I can apply my technical ability to create tools & toys that make people smile.

experience

Recurse Center, Programmer   February 2018 - May 2018
New York City, NY
- The Recurse Center runs free, self-directed, project based programming retreats for anyone who wants to get dramatically better at programming.
- Focusing on programming a Gameboy emulator, toolchain, and homebrew in C, Go, and Z80 assembly.

HomeReport, Full Stack Developer   May 2017 - present
Wilton, CT
- HomeReport offers a suite of applications to make buying, selling, and maintaining homes easier.
- Primary developer of all HomeReport applications including OpenHouse, HomeInspection, and Foyer.

mySpiderWeb, Full Stack Developer   May 2016 - September 2016
Rochester, NY (remote)
- mySpiderweb is a social media publishing tool that streamlines a multi-network presence for small businesses.
- Was a member of a small team developing the application for use with Facebook, LinkedIn, and Twitter integration. The stack included Meteor, HTML, CSS, JavaScript and MongoDB.

Intel, Software Application Engineer   January 2015 - December 2015
Santa Clara, CA
- Analyzed the performance of 3D camera hardware & software on Intel architecture prior to release.
- Developed and tested mobile performance analysis tools for Android, iOS, and Windows-based tablets for Intel lab personnel.
- Identified and resolved proprietary software issues which resulted in the on-time delivery of a performance monitoring tool to Intel labs.

Viking Code School, Student   February 2015 - August 2015
San Francisco, CA (remote)
- Completed an intensive 16 week full-stack development boot camp.
- Focused on Ruby + Rails, includes JS, Angular, Sinatra, HTML5/CSS3, Sass, and numerous other DSLs, frameworks, and tools.

RIT, Computer Science Student Lab Instructor   August 2014 - January 2015
Rochester Institute of Technology
- Assisted faculty in the delivery and grading of weekly Python programming projects for an introductory Computer Science course.
- Tutored individual students in introductory Computer Science courses on a biweekly basis.

RIT, Computer Science Ambassador   March 2014 - January 2015
Rochester Institute of Technology
- Served as a representative of the computer science program to potential new students by running informational seminars and tours.
- Interviewed potential professors with RIT faculty when potential professors sought employment.

Phi Kappa Psi, Vice President   February 2014 - January 2015
Rochester Institute of Technology
- Completed an intensive 16 week full-stack development boot camp.
- Focused on Ruby + Rails, JS, Angular, Sinatra, HTML5/CSS3, Sass, and other frameworks and tools.

projects

Independent study in code clone detection techniques → white paper: bit.ly/ind-nsm
Java
- Implemented & compared GPLAG algorithm against widely-used tools for plagiarism detection in student code submissions.
- Benchmarked and analyzed tokenization vs. subgraph isomorphism detection techniques for code clone detection.

Recipe Book → source + live link: bit.ly/rb-nsm
Ruby, Rails, Bootstrap, HTML5, CSS3, Sass, Angular.js
- Web application that allows users to scrape recipes from popular recipe websites, comment on them, edit them, and share them.

Alice & August: A Love Story → project page: bit.ly/aals-nsm
LÖVE framework, Lua, Photoshop
- Game created entirely from scratch in under 48 hours for the Ludum Dare 33 game jam.
- Made with no prior knowledge of Lua or the LÖVE framework.

education

Rochester Institute of Technology
B.S. Computer Science