




Yanik Simpson

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 github.com/syanik94/Portfolio
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SKILLS

Swift MVC/MVVM

Multi-threading (GCD)

Unit Testing iOS

Object Oriented Design

EDUCATION

University of Louisiana

Lafayette, LA
2012 – 2017
BS Mechanical Engineering

ORGANIZATIONS

International Society of
Automation (ISA)

Engineering Ambassador

National Society of Black
Engineers (NSBE)

WORK EXPERIENCE

Freelance Software Developer, Upwork

Remote • April, 2019 – Present

Provided software development services to clients in iOS development and Microsoft PowerApps.

- Reviewed client requirements, wireframes, and designs for technical feasibility
- Achieved on-time feature deliveries through agreed approval process

Facilities Engineer, New Hampshire Ball Bearings

Peterborough, NH • April 2018 – April 2019

Responsible for improving and maintaining the infrastructure of a 215,000 square foot manufacturing plant through project management. Prepared and reviewed drawings related to HVAC, process piping, air and water systems.

- Managed capital projects ranging from \$50K - \$1.4M
- Achieved +5% production output by optimizing machine layout and process flow

Math/Engineering Tutor, University of Louisiana

Lafayette, LA • May 2015 – January 2018

Tutored students in topics such as Thermodynamics, Fluid Mechanics, Calculus (I, II, III), Differential Equations and Linear Algebra. This role also enabled me to serve as a peer mentor to first generation college students.

PERSONAL PROJECTS

Upful

<https://apps.apple.com/us/app/upful/id1447909027>

Built stock screening and analytics tool that allows users to search for stocks by their financial metrics. Originally architected in MVC then refactored to MVVM. All UI was done programmatically. Wrote unit tests to cover core features.

- Achieved 160 Monthly Active Users (MAU)

Sorting Algorithm Visualizer

<https://github.com/syanik94/Swift-Sorting-Visualizer>

Built sorting algorithm visualizer allowing users to compare sorting methods of common sorting algorithms. Users are able to adjust the sorting speed and play/pause the animation. Currently illustrates Bubble Sort and Selection Sort.

- Wrote adequate unit tests to cover sorting algorithm animations
- Architected in MVC and written with programmatic UI