

Jared Tulayan

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EDUCATION

Rutgers University, New Brunswick, NJ

May 2022

BS Computer Science, Music Minor

Relevant Coursework: Data Structures, Discrete Structures, Computer Architecture, Systems Programming

EXPERIENCE

Design Consultant

Oct 2019 - Present

Rutgers Makerspace, Piscataway, New Jersey

- Guide 10+ students a day in using design/CAD software for their own projects
- Fix, clean, and maintain laser cutters, 3D printers, woodshop machines
- Learn design workflows, 3D printing techniques, etc to teach to staff or other patrons

Programming Committee Leader

Sep 2016 - June 2018

Team Mercury 1089, Hightstown, New Jersey

- Delegated tasks and projects to a committee of 10+ students
- Designed software to aid and streamline development and deployment of code
- Researched and taught topics in OpenCV, motion profiling, etc. to students and other mentors

Web Developer

Sep 2016 - June 2018

Team Mercury 1089, Hightstown, New Jersey

- Managed over 16 pages of website content to an audience of 125+
- Updated website theme from the ground up
- Documented and aided team members in learning to navigate WordPress

PROJECTS

Pathplanner Java

Implemented a graphical frontend and command-line interface for Jaci's Pathfinder, a motion profiling library.

<https://github.com/Endoman123/pathplanner>

Mercury 1089 Website JavaScript, PHP, HTML, SASS

<http://mercury1089.com>

Redesigned WordPress theme for FRC Team Mercury 1089, utilizing WordPress' API for easier management and adaptability

SKILLS

Languages

Java, C#, C/C++, XML, CSS/SASS, JavaScript, PHP, JSON, YAML, VBS/VBA, Dart

Tools

Unix Tools, Git, Gradle, Make, Android, Inventor/Fusion 360

Libraries/APIs

JavaFX, Unity, WordPress, OpenCV, REST, KryoNet, LibGDX

Other

Leadership, Frontend Design, Server Management, OOP

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