David **Swan**

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Passionate about producing well-crafted software using innovative technology and creative solutions. An Agile developer with proven experience delivering efficient detail-oriented products implementing user requirements.

EDUCATION

Southern New Hampshire University | Hooksett, NH | February 2018 - August 2020
Master's in Information Technology, *Software Application Development, GPA: 3.795*

- A deep exploration into software development theory and practice. Covering a breadth of technical subject areas and a comprehensive examination of the field through hands-on learning.

Slippery Rock University | Slippery Rock, PA | August 2008 - December 2012
Bachelor of Fine Arts, *Metalsmithing and Sculpture Concentration*

- Study of Studio Arts with a focus in Metalsmithing and Sculpture. An intensive examination of the design process, concept exploration, and craftsmanship.

Makership Program | Pittsburgh, PA | April 2015 - June 2015
Digital Manufacturing Apprenticeship
- Specialized training in delivering responsive solutions for dynamic systems.

PROJECTS

Laur Approved— Independently designed, developed, and deployed web application empowering people with an autoimmune disease to manage their symptoms through the SCD diet. Built using **Visual Studio Code** with **JavaScript, HTML**, and **CSS.**

Retail Android App — Created an Android mobile app for an online retail clothing store. Built using **Android Studio** with **Kotlin** framework and **Java**.

EXPERIENCE

Prototyper | Forms+Surfaces | Pittsburgh, PA | August 2016 - April 2020
- Programmed mills and routers for rapid prototype development.
- Utilized modeling software to develop 3D models and machinable parts for prototyping and product development.
- Identified and solved manufacturing complications to increase production output through designing fixtures, nesting DXF files, and advising on workflow.
- Managed project implementation with Asana and Slack keeping teams organized, on schedule, and under budget.

IT Independent Contractor | DR X-ray Solutions | Pittsburgh, PA | May 2019 - Present
- Installation of computer terminal, digital X-ray panel, and software increasing an organization's ability to take and examine radiographs.
- Calibration of digital X-ray panel and troubleshooting rendering the highest quality images improving health services for patients.

Fabricator | Abrams Nation | Pittsburgh, PA | February 2016 - August 2016
- Designed and developed code for plotter/cutter with optimization for manufacturing.
- Implemented an effective systematic format for programs to increase productivity.

SKILLS

Java

JavaScript

HTML

SQL

GitHub

SOCIAL

www.davidswan.me

github.com/DavSwan

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