NOAH RUSH

Philadelphia, PA | 215-470-2956 | njr86@cornell.edu
github.com/noah-rush | noahrush.com

Hardworking and quick-learning engineer looking to transition into software engineering roles. Spent 5 years working in web development before going back to school for a computer science degree.

EDUCATION

Cornell Tech, New York, NY   May 2021
Master of Engineering in Computer Science| GPA: 4.15
Relevant Coursework: Machine Learning, Deep Learning, NLP, Computer Vision, AR/VR, Algorithms

NYU Bridge to Tandon, New York, NY   May 2020
Relevant Coursework: Operating Systems, Networks, Data Structures

Wesleyan University, Middletown, CT   May 2014
Bachelor of Arts in Music| GPA: 3.76
Relevant Coursework: Computer Programming, Linear Algebra

TECHNICAL SKILLS

Coding Language:	Python, C++, Node / Javascript, C#, PHP, Java, SQL
Operating Systems:	Mac, Windows, Linux
Other Tools:	PyTorch, React, Docker, Unity, HTML, CSS, Flask, Express, Docker, TensorFlow

EXPERIENCE

Push10 Digital Agency, Web Developer, Philadelphia   April 2016- May 2020
- Developed custom sketch and photoshop designs into websites using PHP, HTML, CSS, Javascript, Lando & Docker
- Built and maintained responsive e-commerce sites using WooCommerce
- Launched and maintained websites across various hosting platforms including Pantheon, WPEngine, etc..
- Developed solutions to optimize Wordpress builds for Google PageSpeed
- Built automated tools for getting custom themes of the ground to speed up the development process using node.js
- Built custom implementations using the new Wordpress Gutenberg feature + React

Trilogy Education Services / TA, Philadelphia, PA   Sept 2018- Feb 2019
- Graded homework, provided support, and held office hours for adults transitioning to careers in web development
- Topics included HTML and CSS, React, MongoDB, SQL, Express and Git

Codearium, Philadelphia, PA   Sept 2014- April 2016
- Provided front-end CSS and Javascript for major websites such as National Consumer Law Center + Dana-Farber/Brigham and Women's Cancer Center
- Led smaller projects like Cora + Israel&Co through the development phase, using CMS tools like Wordpress, Shopify and Squarespace

PROJECTS

Tangrams   Spring 2021
- Developed a Computer Vision alg. to digitize Tangrams for Language experiments.
- Part of a research group (Cornell Tech Language +Interaction Lab)

BigSmall, (Unity, C#, Oculus, normcore)   December 2020
- Developed a multiplayer VR game demo, where players have to shrink and grow to collaboratively solve puzzles

Generative Adversarial Networks for Multi-Domain Art Creation, (PyTorch, tensorflow)   December 2020
- Implemented an architecture to learn style transfers between multiple domains of portrait art, (I.E. Impressionism -> Expressionism) to create new portraits.

Senior Thesis Wesleyan University, (SuperCollider, Processing)   May 2014
- Composed electronic music and interactive controllers to interact with programmatically generated video installations

DesignPhiladelphia, (Squarespace, Javascript, CSS)   February 2017
- Implemented custom squarespace functionality for the 2017 festival website

PhillyZing (Python, Flask, Jinja, Html, CSS, Javascript)
- Designed and built a review site for Philadelphia theater during the 2014 Fringe festival.

LEADERSHIP/ EXTRACURRICULAR ACTIVITIES /VOLUNTEER/COMMUNITY SERVICE

Tech for Campaigns (TFC), Web Development Volunteer   September 2018
- Implemented a responsive redesign on wordpress for the PA House Democratic Caucus