

NOAH RUSH

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Hardworking and quick-learning engineer looking to transition into software engineering or data science 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
<i>Master of Engineering in Computer Science</i>	
<u>Relevant Coursework:</u> Machine Learning, Deep Learning, NLP, Computer Vision, AR/VR	
NYU Bridge to Tandon , New York, NY	May 2020
<u>Relevant Coursework:</u> Operating Systems, Networks, Data Structures	
Wesleyan University , Middletown, CT	May 2014
<i>Bachelor of Arts in Music</i> GPA: 3.76	
<u>Relevant Coursework:</u> 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
<ul style="list-style-type: none">Developed custom sketch and photoshop designs into websites using PHP, HTML, CSS, Javascript, Lando & DockerBuilt and maintained responsive e-commerce sites using WooCommerceLaunched and maintained websites across various hosting platforms including Pantheon, WPEngine, etc..Developed solutions to optimize Wordpress builds for Google PageSpeedBuilt automated tools for getting custom themes of the ground to speed up the development process using node.jsBuilt custom implementations using the new Wordpress Gutenberg feature + React	
Trilogy Education Services / TA , Philadelphia, PA	Sept 2018- Feb 2019
<ul style="list-style-type: none">Graded homework, provided support, and held office hours for adults transitioning to careers in web developmentTopics included HTML and CSS, React, MongoDB, SQL, Express and Git	
Codearium , Philadelphia, PA	Sept 2014- April 2016
<ul style="list-style-type: none">Provided front-end CSS and Javascript for major websites such as National Consumer Law Center + Dana-Farber/Brigham and Women's Cancer CenterLed smaller projects like Cora + Israel&Co through the development phase, using CMS tools like Wordpress, Shopify and Squarespace	

PROJECTS

Tangrams	Spring 2021
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Composed electronic music and interactive controllers to interact with programmatically generated video installations	
DesignPhiladelphia , (Squarespace, Javascript, CSS)	February 2017
<ul style="list-style-type: none">Implemented custom squarespace functionality for the 2017 festival website	
PhillyZing (Python, Flask, Jinja, Html, CSS, Javascript)	
<ul style="list-style-type: none">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
<ul style="list-style-type: none">Implemented a responsive redesign on wordpress for the PA House Democratic Caucus	