

# TREY WILKINSON

Full Stack Developer

## Personal Info

@ winston.trey.wilkinson@gmail.com  
treywilkinson.com  
t-wilkinson  
Bethesda MD, 20817

## Skills

### Frontend

- JavaScript · TypeScript
- React · React Native
- CSS3 · SCSS · HTML5
- Responsive

### Backend

- Node.js · Next.js · Express
- REST · GraphQL
- SQL · MongoDB · Redis
- Nginx · Strapi

### Others

- AWS
- Git · Nix
- Linux · Bash
- CI · CD
- Python · Haskell · Go · Rust

## Interests

### Computers

- Machine Learning
- Information Security
- System Administration

### Math

- Category Theory
- Homotopy Type Theory
- Calculus
- Linear Algebra

### Others

- Electric Guitar

## Education

### Mary Baldwin University

2018 – 2019

3.6 GPA

### Walter Johnson High School

2013 – 2018

A focused, driven, and adaptable individual with a passion for learning, creating, and problem-solving. A natural and proactive leader. Three years of experience in web development.

## PROJECTS

### 2021-01 – Neural Style Transfer

#### 2020-01 NST Implementation

- NST uses a trained deep neural network to combine the style of one image and the content of another.
- Used React to quickly develop an interesting UI.
- Used Next.js to power both the frontend and backend.
- Wrote a script in Python using PyTorch to implement a NST algorithm which is applied to user-provided images.

### 2020-06 – Klean Studios

#### 2020-12 Music recording studio

- Used React, TypeScript, and Tailwind to develop a tailored UI and UX.
- Used Node.js and Express to develop a REST compliant architecture.
- Created a user dashboard, integrated with Stripe, and an admin dashboard, to automate most business and site functionality.
- Used PostgreSQL to provide searching functionality for the dashboard.
- Automated hosting on an EC2 instance running Nginx with Jenkins and my Linux knowledge.

### 2020-12 – Penguin Sweaters

#### 2021-01 Promote penguin conservation efforts

- Drove the UI and UX with React, TypeScript, and SCSS.
- Used a Next.js server to query Strapi endpoints using GraphQL.
- Hosted site on an EC2 instance running Nginx.

## EXPERIENCE

### 2015 – Window Cleaning

#### 2020 Wells Window Cleaning

- Professionally cleaned windows with a small team at residences of high portfolio individuals in the Washington DC area.
- Developed attention to detail and strong work ethic as I strived to provide only the best results for clients.
- Learned risk management and communication in order to work safely and effectively.
- Developed problem-solving techniques and creative thinking as I accomplished difficult tasks even when lacking the necessary tools.

### 2014 – Entrepreneurial Art Internship

#### 2015 Arts on the Block

- Created commissioned artwork at a non-profit business for companies in the Washington DC area.
- Worked with a group of individuals to design, create, and install commissioned artwork, which required time management, communication, planning, and resourcefulness.

### 2008 – Eagle Scout

#### 2016 Award earned in 2016

- Conceptualized personal community service project, fundraised from local organizations. Lead, organized, and collaborated with ten volunteers over two weeks to provide lasting services for a local, under-funded elementary school.
- Consistently lead and managed activities with over 15 individuals, requiring organization, communication, and risk management.