

# Tyler Lindsay

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## WORK EXPERIENCE

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**Lindsay Lawn & Landscaping** // Reference: (484) 330-9284

**June 2018 – Present**

*Landscaper/Landscape Designer, Web Designer*

*Slatington, PA*

- Assist in producing landscaping service quotes, planning landscaping designs, and customer consulting.
- Lead a small team of part-time employees providing weekly lawn services.
- Provide landscaping services such as paver walkways and patios, mulch and stone maintenance and installation, plant maintenance, installation, and removal, and more.
- Design, update, and maintain a responsive website with service request form submission.

## EDUCATION

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**Pennsylvania State University – Harrisburg**

**May 2024**

*Student - B.S. Computer Science*

*Middletown, PA*

- Member of Formula SAE club in the Electrical/Tuning department. Duties include setting up an engine management system, aiding in designing and building a wiring harness, and using a dynamometer to tune a racing motorcycle engine for peak power, minimal shift times, and environmental change compensation.

## PROJECTS

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**Messaging System** / ESP32 Microcontroller, SPI Displays / C++, CSS, HTML, PHP, JavaScript

**Sept. 2022 - Present**

- Comprised of a webserver file system, webpage/web client for sending messages, and microcontroller-based message displaying device connected to the internet via Wi-Fi.
- The display device, fitted with an LCD display, notifies the user visually of new messages. The user is able to dismiss and navigate messages using hardware buttons.

**Digital Portfolio** / CSS, HTML, JavaScript

**Jan. 2023 - Present**

- Website ([tylerlindsay.com](http://tylerlindsay.com)) hosted through a hosting service using CPanel. Allows others to easily learn more about me. Also contains a projects page with descriptions and photos.
- Starting from scratch and without using frameworks provided an opportunity to practice designing responsive websites, user interfaces, and effects using HTML, CSS, and JavaScript.

**Network Attached Storage (NAS) Server** / Storage System Configuration

**June 2022**

- Built by repurposing an old HP Z230 Workstation. Contains (6) 4TB drives for a total of 24TB of raw storage.
- Runs TrueNAS operating system on the ZFS file system. System configured in RAID-Z2, allowing for the failure of two drives. Set up for reliable secure remote connections via SFTP and using a dynamic DNS service.

## SKILLS & INTERESTS

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- **Familiar Languages:** C++, Java, HTML, CSS, PHP, JavaScript, Python, Verilog
- **Familiar Software:** VS Code, Unity, Adobe Photoshop, Premiere Pro, Substance Painter, MS Word, MS Excel
- **Skills:** Problem solving, engineering hardware/software solutions, working efficiently under pressure, team leadership, sharing ideas concisely
- **Interests/Hobbies:** Anthropomorphism, software/hardware projects, snowboarding, driving race cars, traveling, video production, photography, motorcycles, mountain biking, 3D model painting and avatar design