

# Paul Adams

---

pauladams12345@gmail.com • 330-354-0937 • Akron, OH • [www.pauladams.site](http://www.pauladams.site)

## Education

---

### Oregon State University, Corvallis, OR

December 2019

BS in Computer Science, *summa cum laude*

### Ohio University, Athens, OH

May 2013

BA in History, *magna cum laude*

Honors: Phi Beta Kappa, 1<sup>st</sup> Prize in Physics, 2012 Student Research and Creative Activity Expo

## Skills

---

**Languages:** Python, C, C++, JavaScript, x86 Assembly, HTML, CSS

**Tools:** MySQL, Node.js, Express, Handlebars, Bootstrap 4, Git, GCC

**Knowledge areas:**

- Data structures and algorithms: design, analysis
- Computer architecture, assembly language, and operating systems
- Security: cryptography, access control, malware defense
- Parallelism: OpenMP, OpenCL, CUDA
- Networks: internet protocol stack, TCP/UDP, IPv4/IPv6, DHCP

## Projects

---

### Schedule Fairy

Open-source, cloud-hosted meeting scheduling app. Backend: Node.js, Express. Frontend: Handlebars, Bootstrap 4, FullCalendar. Database: MySQL

<https://schedule-fairy.herokuapp.com/> - <https://github.com/pauladams12345/schedule-fairy>

### Mini Shell

C-based UNIX shell program. Redirects I/O and allows simultaneous processes in the foreground and background.

<https://github.com/pauladams12345/mini-shell>

### Assembly Sort

Array manipulation program using x86 Assembly Language. Generates, sorts, and displays an array of pseudorandom numbers. Performs input validation and maintains the system stack.

<https://github.com/pauladams12345/assembly-sort>

## Employment History

---

### American Red Cross - Columbus, OH

2016-2018

Technologist II, Technologist I, Technician II

- Completed QC testing on blood products

### American Red Cross - Cleveland, OH

2014-2016

Lead Technician, Technician II

- Performed manufacturing of blood components.
- Assumed operational supervisory over manufacturing lab staff