

OWEN DAVIES

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EDUCATION

West Virginia University (Computer Engineering Major), Morgantown, WV
NOVA Community College dual enrollment, Arlington VA
Washington Lee High School, Arlington VA
Arlington Career Center, Arlington VA

Attending Junior - 3.5 GPA
Attended during summer break - 4.0 GPA
Graduated 2017 - 3.6 total high school GPA
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WORK EXPERIENCE

- RAINN** - Intern **12/4/2017 - 12/20/2017**
- ❖ Made a web interface to a script so that the marketing department could run it on their own
 - ❖ Maintained and updated systems (resolved tickets, rescheduled automated services, changed automated build processes, etc.)
- Bill Sherwood** - Repairman **8/20/2017 - 9/20/2017**
- ❖ Repaired appliances (usually refrigerators) for clients
 - ❖ Fixed garbage from the side of the road into a sellable state, and recycled what could not be sold otherwise
- Accenture** - Intern **6/26/2017 - 8/4/2017**
- ❖ Improved the asset tagging system by writing an expiry date program
 - ❖ Supported customers by imaging laptops and using the ServiceNow ticketing system
- NOVA Web Development** - Intern **5/22/2017 - 6/20/2017**
- ❖ Administered, managed and programmed systems (Red Hat and CentOS) and databases focused on simplifying government databases with web scraping
 - ❖ Mentored three students to help them obtain Red Hat certificates
 - ❖ Created concise, easy-to-follow instructions and documentation
 - ❖ Virtualized with libvirt (similar to VMWare)

CERTIFICATIONS

- ❖ Red Hat (RHEL) Certified System Administrator (RHCSA) (focused on Kerberos/LDAP (e.g. Active directory))
<https://www.redhat.com/rhapps/certification/verify/?certId=170-068-415>

PROJECTS AND ACTIVITIES

- Flang - Programming language written by myself as a project (working)
- ❖ Programming of compiler
- Laptop Project - 3" thick laptop made from scratch (An all-in-one computer board with display adapter were used in lieu of an expensive custom multilayer mainboard PCB)
- ❖ Battery system made from 18650 cells
 - ❖ Case made from wood with dovetail joints
 - ❖ Keyboard modified
- Various Games (<http://owendavies.org/games.html>)
- ❖ Web picross implementation entirely without javascript using a HTTP server framework I wrote myself in C
 - ❖ Web implementation of the game of ur (2-player, without javascript, using the http server framework)
 - ❖ Warcerors (2-player RTS web game with javascript and art that I paid for and some neat features)
- President of WVU Game Developer Club (<https://gamedevclub.orgs.wvu.edu/>)
- ❖ In charge of 4 other officers
 - ❖ Create presentations for weekly meetings with an average of 40 member attendances per month
 - ❖ Organize events (events promoting game development, charity events and outreach e.g. to girl scouts)

SKILLS

- ❖ Able to sit at a workstation for extended periods, and lift and move heavy objects.
- ❖ Flexible, assertive, and able to communicate clearly
- ❖ Databases (PostgreSQL, sqlite3)
- ❖ High proficiency in many programming and scripting languages (not at all a complete list):
 - BASH, KSH and rc scripting
 - Python
 - C, C++ and other similar languages
 - Golang
 - ARM's THUMB assembly language
 - Matlab
 - HTML/CSS/JavaScript