

## Patrick John Archer

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Portfolio: <https://pjarcher913.github.io>

LinkedIn: <https://www.linkedin.com/in/patrick-archer/>

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### EDUCATION

Arizona State University – Tempe, AZ	8/2015-5/2019
• B.S.E. in Computer Systems Engineering	
Mesa Community College – Mesa, AZ	8/2016-4/2017
Yavapai Community College – Prescott, AZ	8/2013-Present
• CompTIA Network+, CompTIA A+ Computer Technician, and CompTIA IT Ops. Specialist certifications	

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### PROFESSIONAL STATUS

Bachelor of Science in Engineering, Computer Systems Engineering	5/2019
CompTIA A+ Computer Technician Certification	5/2015
CompTIA IT Operations Specialist (CIOS) Certification	5/2015
CompTIA Network+ Certification	5/2014

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### WORK EXPERIENCE

ASU Engineering Dean's Office – IT Systems Support Technician (Student Worker IV)	8/2016-5/2019
Yavapai College – IT Help Desk Technician (Student Worker)	6/2014-7/2015
BPOE Elks Lodge #330 – Events Volunteer	8/2010-Present

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### NOTABLE PROJECTS

ASU CSE Capstone – Sponsored by Benchmark Electronics  
Eagle Scout – Culmination Project (Boy Scouts of America)  
Independent Endeavor – IoT Smart Home Communication Protocol/Device Development

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### ACHIEVEMENTS and ASSOCIATIONS

National Eagle Scout Association	3/2015-Present
Boy Scouts of America	
• Rank – Eagle Scout (highest in organization)	3/5/2015
• National Order of the Arrow – Brotherhood Scout (2 <sup>nd</sup> highest rank in organization)	2014

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### TECHNICAL SKILLS

#### Proficient Knowledge Of and/or Experience With:

- C/C++/C#, Python, JavaScript, Java, Swift, MATLAB
- Object-oriented program development
- Active Directory
- Arduino architecture and system integration
- ARM architecture
- Linux shell
- LTSpice (CAD)
- Microsoft Office Suite

#### Basic Knowledge Of and/or Experience With:

- ExpressJS, HTML/CSS, MIPS32, NodeJS, ReactJS, SQL, Verilog
- Cisco GNS3 Network Simulator
- Eagle (CAD)
- GEM5 Processor Architecture Simulator
- Wireshark