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| Christopher B. Smith | Engineering & Design Specialist |
| github.com/csmith1188 | |
| Highly diverse designer well-suited for a variety of tasks and projects where the skills of many different specialists are required. Driven by self-improvement and education through experience. Seeking employment to utilize a large breadth of skills. | |

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| Primary Skills Summary | | | |
| * **Software Development**   + Javascript, Python, C/C++   + Collaboration with Git * **Secondary Education**   + High School Level Technical Teacher * **Digital Circuit and PCB Design**   + AutoCAD, Eagle, KiCAD, OrCAD * **Embedded Solutions**   + Primarily AVR. Experience with a variety of platforms. * **Electronics Manufacturing** | | * **3D Design / CAD**   + AutoDesk Inventor/Fusion 360, FreeCAD * **Advanced Soldering**   + Hand/Hot Air/Oven, SMD/Fine Pitch * **Project/Team Management** * **Sales and Customer Interfacing** * **Information Technology**   + Windows, Linux, MacOS   + Microsoft Office Suite   + Small Network Administration   + General PC knowledge | |
| Accomplishments | | | |
| * Wrote an approved curriculum task list for Computer Programming in the state of Pennsylvania * Designed and built a 3d printer before they were commercially available to print replacement parts for $100k+ production machinery * After volunteering to manage, took a failing project from 20% of weekly quota to 100% * Expanded company’s capacity to provide design consultation and PCB layout services * Designed and built “Formbar”, an open-source classroom management device. * Received 14 honors for Perfect Attendance, 4.0 GPA, and distinguished Student Ambassador | | | |
| Formal Education/Certification\* | | | |
| * Currently Attending Penn State University for Career & Technical Education Certification * IPC-A-610 Certified IPC Specialist, 2018 * Specialized Technology: Electronics Engineering AA from YTI Career Institute, 2015 * Certified Electronics Technician, Electronics Technicians Association International, 2016   \* *A significant portion of my free time has been dedicated to self-education over the course of two decades* | | | |
| Work Experience Summary | | | |
| Career & Technical Teacher | York County School of Technology | | 2019 - Present |
| Building curriculum and lessons for “Computer Programming & Interactive Media” and delivering to students. Managing student progress and large student projects in shop. Maintaining state compliance and industry network. Coaching cyber security and game development clubs. | | | |
| Systems Integrator Design Engineer | Micro-Tech Designs | | 2018 - 2019 |
| PLC programming and PLC panel layouts for water infrastructure projects, both municipal and private. | | | |
| Multiple Titles | SMT Manufacturing | | 2014 - 2018 |
| Product Design and Consulting. PCB Layouts. Embedded Solutions developer. Project Manager. ISO 9001 instructor. Network Administrator. Automatic Optical Inspection. Manufacturing and Assembly. | | | |
| Retail Manager | GNC | | 2011-2014 |
| Staff training and management. Retails sales and customer service. | | | |

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| Work Experience Details | | |
| Career & Technical Teacher | York County School of Technology | 2019 - Present |
| * Building/delivering curriculum and lessons for “Computer Programming & Interactive Media * Managing student progress and tracking special needs * Organizing large student projects in shop. * Maintaining compliance with state and federal laws. * Organizing and maintaining “Occupational Advisory Committee” of industry professionals. * Coaching cyber security and game development clubs. | | |
| Systems Integrator Design Engineer | Micro-Tech Designs | 2018 - 2019 |
| * PLC Programming on various platforms * PLC Panel layouts in AutoCAD * Preparing Engineering Specification Documentation and Work Quotes * On-site Systems Integration * PLC Panel Assembly | | |
| Multiple Titles | SMT Manufacturing | 2014 - 2018 |
| * Product Design and Consulting * PCB Layouts and Digital Circuit Design * Embedded Solutions Development * Project Manager * ISO 9001 Instructor * Network Administrator and IT Technician (Windows/Linux) * Automatic Optical Inspection Operator and Programmer * Surface-Mount and Through-hole Manufacturing and Assembly * Certified Solder Technician | | |
| Retail Manager | GNC | 2011-2014 |
| * Retail Sales * Retail Location Management * Employee Hiring/Training/Management * Customer Service | | |
| PC Technician | Dragon Custom Computers | 2007-2015 |
| * Filled gaps in employment with part-time work at local PC repair shop * Customer service, on-site/retail location * Systems integration for local businesses * Windows/PC Repair | | |
| Personal Projects | | | | |
| I spend a significant portion of my spare time working on projects that directly relate to my industry and will help me develop specific skills I deem useful to said industry. My professional GitHub account is csmith1188, and hosts formbar and my github.io page. I also contribute to my personal GitHub account, SuperMechaCow.   * csmith1188/formbar is the custom classroom management device myself and my fellow teachers use in class to manage our students. It has received high-praise from administration and visiting teachers/professors for its strong utility in the industry. It is now being developed by my Senior students to *attempt* to emulate managing projects in the industry. * csmith.github.io is a small video game I am working on to help teach students the basics of game design and programming. It may have been moved to SuperMechaCow/spaceelvesonjetbikes * SuperMechaCow/kroller is a game assistant for Warhammer 40,000, an extremely complex table-top war game. It is live at 40kroller.animetidd.is, which I host. It is currently in live beta. * I have a variety of other past projects, but none that I feel currently reflect my current abilities. | | | | |