

STEPHEN G. DONCHEZ

Senior Computer Engineering student at Villanova University in possession of a full secret security clearance with a passion for leadership and learning, seeking a career in digital design and systems engineering

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EDUCATION

Villanova University, Villanova, PA

2016-2020

Bachelor of Science in Computer Engineering,
Computer Science Minor
Dean's List all semesters
GPA: 3.81

ENGINEERING COURSE EXPERIENCE

- Advanced Digital Design Using FPGAs
- Computer Communications Networks
- Network and Computer Security
- Computer Networks
- Discrete Time Signals and Systems
- Fundamentals of Electrical Engineering I
- Computer Architecture
- Digital Design
- Operating Systems

PROJECTS

- Chemical Container and Asset Tracker – developing a comprehensive chemical inventory management solution for the Villanova Community that provides cradle to grave tracking and reporting functionality for all chemicals on the university premises
- PrintCheck3D – Developing a 3D printer monitoring and management system that features automatic print failure detection and waste mitigation as well as printer availability information for the Villanova Community.

TECHNICAL SKILLS

- Coding Experience: VHDL, SQL, C++, C, PHP, Git, Assembly (various versions), Bash Shell (Linux), Matlab, HTML, CSS, Python, Arduino, Java, XML
- FPGA and microprocessor control, fundamentals of AC and DC circuit design and analysis
- Proficient in full range of Office Applications, Adobe Creative Suite

WORK EXPERIENCE

Systems Engineering Intern, *Harris Corporation*

2019

- Performed a comprehensive risk management analysis of an electronic warfare (EW) system
- Authored and performed unit and integration testing on EW systems to certify them prior to release
- Performed design documentation work on EW hardware
- Evaluated various software techniques for operating environment configuration and deployment

Software Engineering Intern, *Harris Corporation*

2018

- Aided in the development of software across all levels of design (from OE configuration to application development)
- Performed unit testing on prototype hardware in the EW domain
- Obtained (and maintain) Secret Security Clearance

President and Head Technician, *Villanova University Tech Crew*

2016-
Present

- Oversee the day-to-day operations of a \$70,000/year student run organization within Villanova University, including client interaction, equipment purchasing and maintenance, financial management and budgeting, and personnel management, as well as strategic and long-term business development.
- Provide event production services for a variety of clients within Villanova University, including concert scale sound, video, and lighting systems
- Install and operate small and large-scale event production systems on a weekly basis

Student Worker, *Villanova University Department of Environmental Health and Safety*

2016-
Present

- Designed, Developed, and Implemented a web-based Container and Asset Tracking System for Chemical Inventory Management
- Developed a variety of software applications to facilitate office operations
- Redesigned departmental website to enhance accessibility and improve aesthetics

Instructor, Customer Service Representative and IT, *Hoover Karate Academy*

2012-
Present

- Instruct students of all ages and experience in the martial arts
- Authored and installed new school management software