

# Shaun Wrightson, P.E.

FIRE PROTECTION ENGINEER

## Objectives

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Excel as a fire protection engineer to achieve safe spaces in which communities can work, live, and play. Continue to learn so that I might combine new ideas with sound, ethical engineering concepts and advance the field of fire protection engineering. Exceed expectations at a fulfilling job where I can contribute to my own success and the success of those around me.

## Experience

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**Koffel Associates** May 2006 - Dec 2018  
*Senior Fire Protection Engineer*

Maintained primary responsibility for a wide range of design and consulting projects in all occupancy types across public and private sectors. Applied broad code knowledge to design of fire protection systems, performed surveys, commissioned fire protection systems, provided code consulting, and performed computer fire and egress modeling for performance-based design analyses. Prepared drawings, specifications, written reports, code variances and equivalency documentation. Represented Koffel Associates with strong interpersonal and communications skills at project meetings and professional conferences. Interfaced with new and existing clients to prepare scope of work and budget proposals for new projects. Maintained productive relationships with local building and fire code authorities. Simultaneously managed multiple concurrent projects to deliver work on time and within budget. Managed company resources including support personnel and IT resources, maintained communication with clients, and worked in a collaborative team environment with engineers, architects, and builders.

**Office of Compliance** Sep 2005 - Jan 2006  
*Fire Protection Engineering Internship*

Worked as a student intern at this federal agency established to enforce the Congressional Accountability Act. Created educational pamphlets on workplace fire safety issues for distribution to federal employees.

**Harris Fire Protection** May 2005 - Sep 2005  
*Fire Protection Equipment Technician*

## Membership and Outreach

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**Society of Fire Protection Engineers** Current  
*International and Chesapeake Chapters*

- Member of the Standards Making Committee on Design Fire Scenarios
- Assisted with preparation of the US Case Study at five consecutive International Performance-Based Codes and Fire Safety Design Methods Conferences

**National Fire Protection Association** Current

**University of Maryland FP Design Challenge** 2017 - 2018  
*Mentor*

## Contact

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## Education & Qualifications

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**University of Maryland, College Park**  
*Bachelor's Degree, 2007*

Graduated Dean's List with Bachelor's Degree in Fire Protection Engineering from the ABET accredited program at the Clark School of Engineering.

- Inductee of the Salamander Honor Society
- College Park Scholars citation - Science, Technology, and Society
- Club Fencing Team - Secretary, Treasurer

**Maryland P.E. License**  
*Registration Number 43166*

## Skills

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### Code Consulting

- In-depth knowledge of ICC and NFPA Codes and Standards, Unified Facilities Criteria, and FM Global Datasheets
- Extensive experience with application of Local Amendments
- Fire and Smoke Modeling using empirical correlations, zone models, and computational fluid dynamics
- Egress Modeling

### Design

- Fire Alarm and Mass Notification Systems
- Sprinkler, Standpipe, Clean Agent, Kitchen Suppression Systems
- Fire Pumps
- Smoke Control Systems

### Technology

- Windows, MacOS, Linux
- Microsoft Office Suite
- High performance cloud computing
- FDS, CFAST, CONTAM
- Pyrosim and Pathfinder
- HASS
- AutoCAD and Revit