Eugene Halpin

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Objective

Actively pursuing opportunities as a full stack web developer, front end developer, back end developer, UI/UX designer

Technical Skills

- Proficient with JavaScript (es6+), jQuery, AJAX, HTML/CSS, Java (8,FX), API integration, Node
- Familiar with PHP, Python, MySQL/SQL
- Strong understanding of web application development, UI/UX design, object-oriented design, RESTful services and APIs, internet architecture, algorithms, and data structures

Tools

- VS Code, Git, Firebase, Chrome Devtools, Netbeans and Eclipse IDEs, Bash/Shell/Terminal, Node / npm

Portfolio: https://ejhalpin.github.io

Professional Experience

Mentor, FIRST Robotics Competition, Minneapolis, MN October 2014 - May 2018

- Worked with high school students to design, foarbicate, and code a competition ready robot
- Coached students on the principles and values of First while introducing them to mechanical and electrical engineering design best practices, CAD software, and 3D printing technologies
- Developed business partnerships with Medtronic, Ace Hardware, and FAIR School
- Developed lasting relationships with other regional FIRST teams

Adjunct Faculty, Physics Department, Saint Thomas University, Saint Paul, MN September 2017 - May 2018

- Curriculum development of introductory physics for an integrated lecture and lab environment
- Incorporation of regular recurring formative and summative assessments utilized to provide feedback to students in a short timeframe
- Successfully integrated new and existing technologies into the classroom environment to maximize utility and enhance the learning experience
- Worked closely with campus IT department to seek solutions to network and printing issues while simultaneously coordinating with physics department faculty to determine instructional needs
- Successfully resolved printing and network issues in the department classrooms and developed a roadmap for future equipment integration

Assistant Manager In Training & Warehouse / Shop Technician, Frattallone's Ace Hardware, St. Paul, MN September 2016 – May 2017

- Fixed windows and doors, replaced screen / glass, repaired damaged frames, fabricated custom frames
- Inventory management of satellite warehouse and repair shop
- Shipping and receiving deliveries and inter-store transfers
- Provided excellent customer service
- Utilized retail inventory control system
- Worked closely with a small team of managers and associates to carry out the day to day tasks within the store

Physical Science Teacher (6th Grade), Ramsey Middle School, St. Paul, MN August 2015 – June 2016

- Successfully developed and implemented curriculum that met the outlined benchmarks for 6th grade science education
- Established a culture of mutual respect to maximize learning
- Incorporated classroom management techniques that emphasized student centered learning
- Enhanced the student learning experience through technology integration and collaborative learning practices
- Developed community engagement curriculum as a member of the IB-MYP committee
- Excelled at developing meaningful relationships with students and faculty members

Physics & Environmental Science Teacher; Educational Assistant, FAIR School Downtown, WMEP, Minneapolis, MN August 2014 – June 2015

- Successfully developed and implemented physics and environmental science curricula that met state education benchmarks
- Provided classroom support and tutoring services to students with disabilities
- Excelled at developing meaningful relationships with students and faculty members

Long Term Substitute, Convent of the Visitation School, Mendota Heights, MN, February 2014 – July 2014

- Successfully delivered high quality college preparatory physics and environmental science instruction in an integrated lab / lecture environment
- Contributed to the growth and success of the science department through curriculum review and development, event coordination, and school-wide presentations
- Managed classroom inventory and lab equipment maintenance

Copy Editor, Cactus Communications, November 2013 – March 2014

- Proofed professional scientific publications for formatting, grammar, and layout
- Utilized Microsoft office suite of tools to provide markups and comments in Word and PowerPoint
- Developed proficiency with Adobe Acrobat

Instructor & Lab Coordinator, Physics Department, Virginia Polytechnic Institute & State University, Blacksburg, VA January 2010 – January 2014

- Developed and maintained a new department web lab portal that housed lab session information and contact forms
- Operated in a train the trainer role to coach graduate students on instructional best practices
- Quality control and assurance agent for the introductory lab curricula
- Developed and published new labs for use in the calculus based introductory physics courses
- Managed a workforce of 50+ graduate students and provided performance reviews and support
- Operated as the direct point of contact for 1000+ students enrolled in introductory lab courses
- Mentored students on success strategies
- Handled confidential and sensitive material
- Analyzed grades regularly throughout the academic year, alerting the students and college of any potential negative trends in individual performance
- Ensured consistency of grading across lab sessions and teaching assistants
- Successfully delivered high quality introductory physics instruction in a large lecture environment
- Developed meaningful relationships with students and provided support where necessary

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Education

- Full-Stack Web Development Certification, UNC Coding Bootcamp, November 2019
- M.S., Physics, Virginia Tech, 2008
- B.A., Physics, SUNY Potsdam, 2006