Edward M. Filice

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OBJECTIVE

Seeking role in Software Engineering developing features and products in a fast-paced, widely influential environment.

EDUCATION

Bachelor of Science in Computer Science. Expected May 2019. University of Houston—Houston, TX

Minors: Mathematics and Leadership Studies

Enrolled in The Honors College at the University of Houston

Related Coursework: Data Structures and Algorithms, Fundamentals of Software Engineering, Computer Organization and Architecture, Introduction to Automata and Computability, Advanced Linear Algebra I, Statistics for the Sciences, Discrete Mathematics

GPA: 3.64

Programming Languages: C++, Python, Java, C#, PHP, SQL, HTML, JavaScript

Frameworks: ASP.NET, Meteor, Django

EXPERIENCE

IT Student Worker

The Honors College at the University of Houston, June 2018-

Provided support, implemented and optimized software. Major projects:

- Payments Project-Modified Honors' local instance of web form creator MachForm to interface with payment service Payeezy through webhook. Added RESTful API to MachForm to intercept payment status after completion. Used PHP & MySQL.
- IBM Spectrum Protect (ISP) Backups-Packaged backup software to be distributed to 70 client computers using scripts written in Bash. Maintain and administrate ISP for all 70 nodes through commands invoked to AIX server.

RESEARCH

Phishing Email Classification Via Received Field Analysis. Python, University of Houston, Summer 2017

- Gathered and extracted features using Python from over 8000 emails to train Random Forest classifier to classify phishing emails. Used 10-fold cross-validation and obtained F-Score of .919, area under ROC of .976.
- Used Python with modules tldextract, SciPy, NumPy, matplotlib. Used Weka to run classifier. 9 features used; highest information gain of .112. 7 of 9 features had IG of .050 or better.

HONORS

Dean's List: College of Natural Sciences and Mathematics, 5 sem,; Honors College, 3 sem.

Scholarships: National Merit Scholarship, Alfred & Bernice Hibbler Scholarship, Jack L. and Peggy Bay Battle Endowment Scholarship.

LEADERSHIP AND CAMPUS INVOLVEMENT

- Director and Actor, Honors College Club Theatre. Since Fall 2015
- Ambassador, Honors Ambassadors. Since Fall 2016
- Honors Follies Coordinator, Fall 2018