JOHN OREFICE

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OBJECTIVE

To obtain an undergraduate research position working with artificial intelligence or machine learning.

PROGRAMMING LANGUAGES AND SOFTWARE TOOLS

- Experience with Java, C, C#, Python, PHP, JavaScript, Scheme, Prolog, and MATLAB
- Eclipse, Visual Studio, Git, JetBrains IDEs

EDUCATION

IOWA STATE UNIVERSITY, AMES, IA
BACHELOR'S OF SCIENCE, SOFTWARE ENGINEERING

Expected Graduation: May 2018
GPA: 3.71
Relevant Course Work:
- COM S 472: Principles of Artificial Intelligence (currently enrolled)
- COM S 362: Object Oriented Analysis and Design
- COM S 342: Principles of Programming Languages
- COM S 311: Design and Analysis of Algorithms
- COM S 228: Introduction to Data Structures
- CPR E 288: Embedded Systems

TECHNICAL EXPERIENCE

TICKETMASTER INTERNSHIP
MAY 2017 – AUGUST 2017
- Successfully implement and update backend API endpoints in C#
- Contribute to front end development using JavaScript and the Angular framework
- Participate in Scrum meetings, code reviews, planning, and grooming meetings as part of an Agile development team
- Research SOAP API passthroughs for use with Apigee API platform and automation of adding new endpoints

UNDERGRADUATE RESEARCH ASSISTANT
FALL 2016
- Attend meetings and lectures on molecular programming
- Assist graduate student with Microsoft HoloLens development

MAKE TO INNOVATE CYSLI HIGH POWER ROCKET TEAM
FALL 2016 - PRESENT
- Program roll control system for rocket using C++
- Work with a team of engineers to accomplish goals and reach deadlines set by Iowa State University and NASA

MAJOR ACADEMIC PROJECTS

Galactic Empires
- Work in a team to create a text based online game
- Use Laravel framework, including PHP backend and MySQL database
- Utilize git for version control

NON-TECHNICAL EXPERIENCE

ADVANCED MATH TUTOR SYLVAN
SEPTEMBER 2016 – PRESENT
- Instruct students in a variety of math topics from basic arithmetic to calculus
- Use technology to assist in students learning

HONORS | Tau Beta Pi Engineering Honors Society: Spring 2016 – Present
Eta Kappa Nu International Honors Society for Computer Engineering: Fall 2017 – Present
Iowa State University Dean's List: Fall 2014 – Spring 2016, Spring 2017

LEADERSHIP | Make to Innovate CySat Subsystem Lead: Spring 2016
- Mission Analysis Lead of Iowa State CubeSat group
- Lead other team members in orbital mechanics models and calculations, mission feasibility, and payload decisions
- Worked with undergraduate and graduate engineers on other subsystems to meet needs of the team as a whole