JEREMY CHANG

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OBJECTIVE

Seeking a summer 2019 internship to expand knowledge in information security, algorithms, or full stack development.

EDUCATION

Purdue University, West Lafayette, IN August 2017 – May 2021

- B.S. Computer Science Concentration in Security, Minor in Mathematics GPA: 3.74

PROFESSIONAL EXPERIENCE

US Bank, St. Louis, MO, Developer Intern June 2018 – August 2018

- Developed an application to manage database tables with Microsoft's web application framework (ASP.NET MVC).
- Redesigned database tables to provide an audit trail for groups of accounts that owe money.
- Updated stored procedures and functions that generate reports affected by table design changes.

Kumon Math and Reading Center of Chesterfield, St. Louis MO, Tutor July 2016 – August 2018

- Challenged students in mathematics to improve their problem-solving skills.
- Illustrated math concepts ranging from counting to introductory calculus.
- Instructed grammar rules and ways of analyzing complex texts.

PROJECTS AND TEAM EXPERIENCE

Purdue IEEE Remotely Operated underwater Vehicle, Software Member January 2017 – Present

- Implemented a pressure sensor that returns relative depth in a pool using python.
- Created python tests for user to validate sensor readings.

Purdue IEEE Aerial Robotics, Sub-Team Lead August 2017 – May 2018

- Created python scripts to send and receive data on detected objects from plane to base station.
- Used python to generate datasets of shapes and letters to train our neural network.
- Researched the object proposal algorithm BING++ and taught members how to install and improve it.

Lexus Eco Challenge, Researcher and Head of Outreach Fall 2016 – Spring 2017

- Researched, tested, and raised awareness of poorly disposed chemicals in lakes near houses and schools.
- Designed and built a solar powered water heater to boil water.
- Presented solutions to elementary schools that were near lakes to inspire students to help the environment.

RELEVANT COURSES

Current

- Programming in C, Foundations of Computer Science, Introduction to Statistics, Competitive Programming I

Previous

- Calculus I, II, III, Elementary Linear Algebra, Programming Applications for Engineers, Tools (UNIX), Problem Solving and Object Oriented Programming**,** Science Writing and Presentation

SKILLS

Programming Languages

- Java, C, SQL, JavaScript, C#, MATLAB, Python

Languages

- Chinese (Mandarin): Spoken: Fluent, Written and Reading: Proficient
- Spanish: Spoken: Conversational, Written and Reading: Proficient

HONORS AND AWARDS

AITP SigAPP Challenge, Second Place Spring 2018
Dean's List and Semester Honors, College of Engineering Fall 2017 – Spring 2018
BoilerMake Bloomberg Puzzle Challenges, Sub-Challenge Winner Fall 2017
Lexus Eco Challenge 1&2, Finalist Fall 2016 – Spring 2017