Kunlakan (Jeen) Cherdchusilp

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WORK EXPERIENCE

SOFTWARE ENGINEER – Airship Industries   Jul 2017 – Nov 2018

- Developed and maintained cross-platform back-end servers of the core video surveillance software
- Re-architected storage structure and system of the video management system to enhance performances in read, write, search, and clean up
- Established a documentation culture to improve communication among development and QA teams
- Implemented and deployed automated unit tests using gtest and jenkins for more test driven development
- Added error handling to roll back data updates that failed to maintain consistency across servers

UNDERGRADUATE RESEARCH ASSISTANT – University of Washington   Mar 2016 – Dec 2016

Research area: Game-Themed Computer Science Education

- Designed and produced a procedural API, lesson plans, and teaching materials based on a pre-existing game to be used to teach introductory coding concepts to middle school and high school students
- Simplified and improved existing lesson plans and teaching materials which allowed teachers with no domain knowledge to use them for teaching
- Represented the University of Washington in collaborating with *Pacific Science Center* as a Tech/Programming Teacher in Summer Camp 2016 to teach 2 classes of 20+ students using our games and teaching materials

UNDERGRADUATE RESEARCH ASSISTANT – University of Washington   Jan 2016 - Dec 2016

Research area: Bioinformatics in Motif Detection and Analysis

- Researched efficient strategies in finding protein network motifs to establish effective alternative algorithms
- Co-implemented NemoSQL, network motif detection tool, using database engine to save all motif instances so that it can be quickly retrieved and reused; reduced work in the searching process

PROJECTS

PERSONAL WEBSITE/PORTFOLIO V2 (kunlakan.github.io) – *Individual*   Nov 2018 - Present

- Design and create personal web portfolio using HTML, CSS, JavaScript, JQuery, JSON, and bootstrap and utilize media queries and CSS to create a responsive and multi-platform friendly website

BAG THE DISCORD BOT (PYTHON) – *Coraborative*   Mar 2018 - Present

- Create a bot for a Discord private server to save all posted photos into a gallery with related information (such as posted date and the poster), execute given commands, and notify calendar reminders

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE & SOFTWARE ENGINEERING   March 2017

MINOR MATHEMATICS, GPA 3.80

University of Washington – Bothell, WA

CODING AND SOFTWARE SKILLS

PROGRAMMING: C++, Java, Python

WEB DEVELOPMENT: HTML, CSS, JSON, JavaScript, SQL