

## Kenneth Doan

doankt.github.io

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### OBJECTIVE

Recent university graduate seeking a position in Software Engineering

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### EDUCATION

**University of California, Irvine**

*B.S Computer Science*

**Irvine, CA**

*September 2017 - December 2020*

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### PROGRAMMING SKILLS

**Proficient:**

Python | C++ | C | Windows OS | Git

**Familiar:**

HTML5 | JavaScript | Java | Linux | CSS | Arduino | Maven | MySQL | Prolog | Lisp

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### PROJECTS

**Poomsae Scoring System (Taekwondo)**

*July 2019 - Present*

- Sports scoring system using pure Python and wxPython frontend

**Personal Website "doankt.github.io"**

*March 2019 - Present*

- Self taught project for a personal portfolio
- First HTML, CSS, JS project alongside with Bootstrap 4

**DreamsForSchools Instructor Assignment Sorter**

*October 2019 - December 2019*

- Web app including a Python backend and Nodejs frontend
- Solved a sorting problem with a user algorithm based on weights

**Hypersphere-integration Simulation**

*March 2019*

- Python project that estimates a d-dimensional sphere using a random and deterministic method

**Minesweeper AI Player**

*June 2019*

- AI written in python; Plays a simple game of Minesweeper using propositional logic

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### COURSEWORK

**Network Security:** Introduction to 7-layer OSI Model as well as cryptography / security in networks

**Intro to Data Management:** Basic MySQL, ER Model, Relational Model, and Relational Algebra

**Data Structure Implementation and Analysis:** C++ lang, high level structures, trees, graphs, traversals

**Principles in System Design:** C lang, mem management, and threaded programming

**Operating Systems:** Intro to OS concepts such as system boot, memory addressing, and subprograms

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### PREVIOUS EXPERIENCE

**DreamsForSchools Instructor Assignment Sorter**

**Irvine, CA**

*Backend Developer*

*October 2019 - December 2019*

- Worked with industry professionals in creating a web application with specified requirements
- Agile environment with specified requirements

**La PanotiQ Bakery and Cafe**

**Campbell, CA**

*Front of House Staff*

*May 2017 - September 2017*

- Management of front house cafe responsibilities
- Served customers while maintaining the appearance of the cafe

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### LEADERSHIP

**The Association of Gamers at UC Irvine**

**Irvine, CA**

*Division Head*

*September 2017 - Present*

- President of the Dota 2 (Video Game) division for TAG at UC Irvine
- Hosted events and tournaments for surrounding Universities

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### SPECIAL INTERESTS

**USA Taekwondo National Team Member**

*July 2014 - March 2019*

- National Team Member and three time world medalist in 2014 and 2016 in Aguascalientes, Mexico and Lima, Peru (WT Poomsae World Championships)