JONATHAN TRAN

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EDUCATION & SKILLS

University of California, Irvine   **Irvine, CA**

B.S. Software Engineering | GPA: 3.84   *September 2018 – June 2020 (expected)*

- Relevant Coursework: Algorithm, Computer Network, Computer Architecture, Data Management, Data Structure, Human Computer Interaction, Information Retrieval, Operating System, Software Design, Software Engineering, Software Requirements Specification, Software Testing.
- Languages/technologies: Proficient in C++, Python, PowerShell Scripting; familiar with Java, JavaScript, Typescript, HTML, CSS, jQuery, Angular, Ionic, Node.js, JSON, SQL, SCRUM/Agile, MS SharePoint, Active Directory, Source Control, JUnit testing.
- Skills: Experienced in object-oriented programming: creating, testing and debugging code; designing interface and administering systems. Knowledge on software engineering processes and Agile methodologies.

WORK EXPERIENCE

Orange County Sanitation District   **Fountain Valley, CA**

Information Technology Intern | IT Department   *January 2019 – Present*

- Assist with migration from SharePoint 2013 to SharePoint Online using ShareGate.
- Rewrite a task planner program in PowerShell for internal project with 14 sub-sites and more than 50 users. Add feature to check for inactive users on system by connecting with Active Directory and SQL and send out notifications to program manager.
- Write PowerShell script to search for SQL files (Stored Procedures, Views, Triggers) on Outlook Shared Mailbox, network drives and move all files in one place. Upload into Team Foundation Server (TFS). The script performs 70% faster than manual process.
- Release Microsoft Planner to more than 500 end-users including creating training documents, requesting for change, testing, training end-users, training IT Service Desk, and following up for users' feedback.
- Provide technical support for end users including PC hardware components, desktop operating software and application software. Monitor and respond to Service Desk support request.

PROJECTS

Multi-threading Operating System   **Irvine, CA**

Developer   *December 2019*

- Develop a multi-threading system that takes user inputs, save to disks, and print information from disks to the printer concurrently.
- Implement using Threads in Java and build GUI in JavaFX.

Search Engine Optimization   **Irvine, CA**

Team member/Developer   *September 2018 – December 2018*

- Develop a search engine that fetches data from UCI ICS website using inverted indexing technique and return relevant results based on searching keywords.
- Store and retrieve data from MongoDB.
- Optimize search engine using stemming, lemmatization and other relevant techniques.

Friendly Car Washers   **Irvine, CA**

Team member/Developer   *September 2017 – December 2017*

- Develop a user-friendly program for Windows named "Friendly Car Washers" that allows users to find the cheapest car wash location in a specific city, sort them by price, name, rating. Users can also write review and view all car wash coupons.
- Using Agile method to develop and build the program, use Trello to keep track of progress.
- Create a GUI in Java by using SceneBuilder and JavaFX.