

# DENNIS TYE

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## SOFTWARE ENGINEER

### Applying Training, Technical Experience & Analytical Problem Solving

Dennis is a Strategy and Analytics Analyst within Deloitte's AI and Data Engineering Group. He is a U.S. Navy veteran who holds a bachelor's degree in Computer Science and a minor in Math from California State University Fullerton. His academics focused on algorithms, full stack development, data bases and cryptography. During his time at Deloitte, Dennis rapidly established himself as a valuable asset on the DTO team, streamlining workplan management through the development of automated solutions that significantly reduced manual effort. He is highly regarded for his consistent delivery of quality results within prescribed timelines, budgets, and scopes, and has a proven track record of quickly acquiring new techniques, technologies, and programming languages.

#### CORE COMPETENCIES

SOFTWARE DEVELOPMENT LIFECYCLE (SDLC) | CODING | TESTING | QUALITY ASSURANCE | REQUIREMENTS GATHERING | TEAM LEADERSHIP  
TIMELINE MANAGEMENT | SCOPING | TROUBLESHOOTING | ANALYTICAL PROBLEM SOLVING | EFFICIENCY | SCHEDULING | MAINTENANCE

## PROFESSIONAL HISTORY / MILITARY SERVICE

**Deloitte** Costa Mesa, CA

**SOLUTIONS ENGINEERING ANALYST**

**Sep 2022 – Present**

**Project – Mosaic GDA**

**Team – Digital Transformation Office**

- ◆ Transitioned the project plan from Microsoft Project to Smartsheet
  - ◆ Migrated the design project plan into Smartsheet and trained workstreams on how to use this new tool.
  - ◆ As a result, teams now have 24/7 access to the latest project plan and there has been a significant decrease in manual data entry from DTO
- ◆ Created automations using Smartsheet Scripting language for workstream PMOs
  - ◆ Developed an automation using the Smartsheet scripting language that sends out weekly emails alerting the attendees of a project plan update call if they need to attend the meeting or not (based on if they have overdue tasks). This gives back time to workstreams who are current with the plan.
  - ◆ Created an automation for PMOs to receive an exact list of tasks that are late or overdue, eliminating the need for them to manually search for this information.
- ◆ Helped develop and maintain the Design and Build of Deliverable Trackers  
Linked each deliverable in this tracker to its respective task in the project plan. This allows teams to easily see their actual finish date vs the contract date, which makes it easy for teams to see if tasks will finish on time or if a change order is needed.

**Pacific Transformer** Anaheim, CA

**QA ENGINEER**

**Aug 2021 – Feb 2022**

Played a pivotal role in implementing an enhanced backup system, significantly reducing the risk of ransomware attacks. Additionally, reformatted Crystal Reports and implemented automation processes, leading to a notable reduction in manual data entry efforts.

**United States Navy** Patuxent River Valley, MD & Norfolk, VA

**AVIATION MACHINIST'S MATE THIRD CLASS**

**May 2012 – May 2016**

Managed a team of up to five individuals with responsibility for maintaining and performing routine service on a fleet of a dozen helicopters aboard a ship and at a stationary Naval base. Developed specialized expertise in assessing and repairing power plant systems including engines, drive trains, fuel cell systems and related components. Completed evaluations of aircraft prior to flight schedules and while in phase to ensure optimal performance, safety, and readiness.

- ◆ Awarded a Navy and Marine Corps Achievement Medal for performing all duties in an exemplary and highly professional manager with a history of 734 mishap-free flight hours and a 97% sortie completion rate during three critical tests.
- ◆ Consistently achieved all objectives related to quality and accuracy.

## EDUCATION & TRAINING

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**BACHELOR OF SCIENCE IN COMPUTER SCIENCE**, California State University Fullerton, Fullerton, CA – May 2022

**Dean's List:** 2021

**Coursework including:** C++ /Python /Java with emphasis on design patterns /x86 64 Assembly Programming /Software Development with Open Source /Algorithm Engineering /Compilers /File Structures and Data Base

**Recent Projects & Assignments:**

- ◆ **YouTube data scraper (Python)**
  - ◆ Created an automation with Python to scrape YouTube videos using the YouTube API for the top three comments and post them daily on Instagram using the Instagram API.
- ◆ **Covid Data (C++)**
  - ◆ Developed a program that searches for the country with the most covid cases using vector data structure.
- ◆ **Markov Chains (C++)**
  - ◆ Developed a program in C++ that generates text using Markov Chains after being trained on input text.

**Technical Skills:**

- ◆ **Languages:** C++, Java, Python, HTML, CSS
- ◆ **Version Control:** Git, GitHub
- ◆ **Development Environments:** Visual Studio, Eclipse, IntelliJ IDEA, Xcode, Atom
- ◆ **Operating Systems:** Ubuntu, Windows, macOS
- ◆ **Microsoft Office:** Word, Excel, Power Point

**Foreign Languages:**

Russian, Romanian