

JOHN C. SWANSON

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LinkedIn • GitHub

SOFTWARE DEVELOPER

Detail-oriented individual who develops innovative applications and creative solutions to complex problems with 3 years of academic experience in object-oriented programming languages (Java, Python) and web development (HTML/CSS, JS). Thrives in fast-paced, dynamic environments as a results-driven teammate using agile development and design patterns to write clean code to complete objectives that fulfill the project's opportunity while exceeding stakeholder expectations.

SOFT SKILLS / RELEVANT COURSEWORK

Research & Development • Object-Oriented Programming • Software Development • Agile Methodologies • RESTful Services • Relational Databases • Cloud Computing • Web Services • Technical Writing • Web Applications • SDLC • User Research & Requirements • Verbal and Written Communication • Test-Driven Development • Software Integration • Java & Swing GUI • Logic & Problem Solving • SOLID Principles & Design Patterns • Team Leadership • Time Management

EDUCATION

<i>Expected 8/2022</i>	PENNSYLVANIA STATE UNIVERSITY	WORLD CAMPUS
	Bachelor of Science, Information Sciences and Technology Honors: Dean's List and PSU Academic Grant Recipient (2020-Present). Cumulative GPA: 3.56/4.0 Select Projects:	

[Fish Forecaster](#) (12/2021-Present)

- Create an application to track weather and ocean conditions to help users find the best location to catch fish; design the web app's front-end with HTML, CSS, Bootstrap, and JavaScript.
- Utilize Spring Boot and external REST APIs to gather and store location data in a relational database; construct a home page to display Google map and weather /ocean conditions for specific coordinates.
- Ensure functionality of multiple external APIs integrated within the application, resolving issues to improve overall usability as the scale of available data in the pool increases.

[eFinance](#) (8/2021-11/2021)

- Designed complex web application with Spring Boot and MySQL to manage auto, business, and personal loans. Created distinct User and Admin roles within the application using Spring Security.
- Acted as team leader, delegating tasks to three group members and organizing weekly meetings to monitor the development life cycle and resolve front-end website issues.
- Developed registration, login, and loan application front-end with HTML, CSS, and Bootstrap; built back-end using Java and Spring Data; utilized agile development strategies, Kanban boards, and GitHub Project to meet deadlines.

[2D Role-Playing Map Adventure Game](#) (8/2019-12/2019)

- Collaborated with three team members to design a role-playing game containing four different challenges; utilized object-oriented programming and SOLID design principles to create a cartesian coordinate system to allow a user to traverse a world map. First group project at PSU.
- Built a two-dimensional world map in a nested dynamic array of Java classes to determine if the user can maneuver up, down, left, or right using Booleans.
- Developed the third game on the map with Java and Swing GUI; built countdown timer and programmed graphic to randomly jump to different coordinates in increasingly smaller increments of time until time expired.

EXPERIENCE

<i>3/2018- Present</i>	UBER & LYFT	PALM SPRINGS, CA
	Rideshare Driver <ul style="list-style-type: none">• Drive tourists through the Palm Springs area, communicating with a diverse range of customers. Deliver welcoming service during 40+ weekly rides to ensure customer satisfaction and receive five-star ratings.	

- 1/2016-1/2018 **PACIFIC COAST HOBBIES** **LOMITA, CA**
Airplane / Drone Sales
- Earned 2 Top Monthly Sales awards by demonstrating excellent customer service when addressing customer questions and concerns, programmed customer flight controllers, and repaired drone damage resulting in 6+ five-star online ratings where the customer concluded our interaction was a positive experience.
- 8/2012-7/2014 **DASCO ENGINEERING CORPORATION** **TORRANCE, CA**
Quality Control Technician
- Completed 120+ manufacturing reports and equipped 50+ planes by inspecting primary landing gear assembly of Boeing 787s and logging measurements to confirm part specifications.
 - Wrote 25 First Article Inspection (FAI) reports when switching major components during production runs, including fulfilling key reports required for Boeing 787 landing gear parts.
 - Extended Boeing 787 contracts by 4+ part runs by presenting well-documented inspection reports to satisfy product requirements of international executives at Boeing, Mitsubishi, and ShinMaywa Industries and providing the executives with technical presentations on inspection report findings.
 - Streamlined routine client audit process by restructuring and maintaining a physical database with First Article Inspection and non-conformance reports containing data on defective parts.
 - Reduced machine delays and stoppages by inspecting critical equipment parts using Geometric Dimensioning and Tolerancing to resolve machinist errors.

TECHNICAL SKILLS

- **Programming Languages:**
Strong - Java, HTML/CSS, Python
Working - JavaScript, SQL
- **Software, Networking & Language Frameworks:**
Third-Party APIs, HTTP/SOAP Web Services, Spring Boot, ReactJS, Bootstrap, Maven, Git, IntelliJ IDEA, GitHub, Eclipse, Spring Tool Suite, NetBeans, MySQL, Amazon Web Services, Visual Studio Code, Raspberry Pi, Google Workspace, Microsoft Teams, Discord, Microsoft Word, Microsoft Excel, Microsoft PowerPoint, Windows PowerShell, UNIX, Linux