

# JOHN C. SWANSON

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## SOFTWARE DEVELOPER

Meticulous Information Sciences & Technology student who designs innovative applications and develops inventive solutions to complex challenges using an array of frameworks and programming languages. Thrives in fast-paced environments as a results-driven leader who draws on a depth of technical experience to direct team members and complete project objectives.

### SOFT SKILLS / RELEVANT COURSEWORK

Research & Development • Object-Oriented Programming • Software Development • Agile Methodologies • RESTful Services • Relational Database Management • Web Services • Technical Writing • Web Applications • SDLC • User Experience and Research • Verbal and Written Communication • Test-Driven Development • Software Integration • Java & Swing GUI • Logic & Creative Problem Solving • Project Management • Team Leadership • Time Management

## EDUCATION

<i>Expected</i> <i>8/2022</i>	<b>PENNSYLVANIA STATE UNIVERSITY</b>	<b>WORLD CAMPUS</b>
	Bachelor of Science, Information Sciences and Technology Honors: Dean's List and PSU Academic Grant Recipient (2020-Present). <b>Cumulative GPA: 3.56/4.0</b> <b>Select Projects:</b>	
	<b>Fish Forecaster (12/2021-Present)</b> <ul style="list-style-type: none"><li>• Create an application to track weather and ocean conditions to help users find the best location to catch fish; design website front-end with HTML, CSS, Bootstrap, and JavaScript.</li><li>• Utilize Spring Boot and external REST APIs to gather and store location data in a relational database; construct home page to display Google map and weather /ocean conditions for specific coordinates.</li><li>• 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.</li></ul>	
	<b>eFinance (8/2021-11/2021)</b> <ul style="list-style-type: none"><li>• 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.</li><li>• Acted as team leader, delegating tasks to three group members, and organizing weekly meetings to monitor development life cycle and resolve front-end website issues.</li><li>• Developed registration, login, and loan application front-end with HTML, CSS, and Bootstrap and built out back-end using Java and Spring Data; utilized agile development strategies, Kanban boards, and GitHub Project to meet deadlines.</li></ul>	
	<b>2D Role-Playing Map Adventure Game (8/2019-12/2019)</b> <ul style="list-style-type: none"><li>• 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.</li><li>• Built two-dimensional world map in a nested Array List of Java classes to determine if user can maneuver up, down, left, or right using Booleans.</li><li>• Developed 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.</li></ul>	

## EXPERIENCE

<i>3/2018-</i> <i>Present</i>	<b>UBER &amp; LYFT</b>	<b>PALM SPRINGS, CA</b>
	<b>Rideshare Driver</b> <ul style="list-style-type: none"><li>• 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.</li></ul>	

- 1/2016-1/2018 **PACIFIC COAST HOBBIES** **LOMITA, CA**  
**Airplane / Drone Sales**
- Earned two Top Monthly Sales awards by demonstrating excellent customer service when addressing client questions and concerns; programmed client's flight controllers and repaired drone damage.
- 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 recording measurements to confirm part specifications.
  - Wrote 25 First Article Inspection (FAI) reports when switching major part components during productions runs, including fulfilling key reports required for Boeing 787 landing gear parts.
  - Extended critical contracts for DASCO by presenting FAI reports to international purchasing executives at Boeing, Mitsubishi, ShinMaywa, and Al-Nippon, providing clarification on report elements.
  - Streamlined routine client audit process by restructuring and maintaining database with FAI and non-conformance reports containing data on all first articles and scrapped parts.
  - Reduced machine delays and stoppages by inspecting critical equipment parts using Geometric Dimensioning and Tolerancing (GD&T) to resolve significant machinist errors.

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### TECHNICAL SKILLS

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