

# JOHN ESCALONA

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## PROFESSIONAL EXPERIENCE

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- 2021 - Present    **Software Developer Analyst Associate** | Mercury Insurance
- Initiated adding automated unit tests that increased code coverage from 0% to 45%, for Customer-facing Mobile App to improve its stability, as well as proposed application design to allow for easier development of unit tests as well as overall maintainability of the application.
  - Successfully implemented feature to provide the ability to provide in-app feedback that increased mobile app store reviews as well as overall app ratings.
  - Successfully implemented in-app walkthroughs to increase adoption of new features and dynamic messages to customers allowing business to make changes without code changes.
  - Successfully integrated mobile app enhancement to allow customers to make changes to their policies using webview technology.
- 2019 - 2020    **Structural Drafter** | Paul Rhorer Structural Engineers
- 2015 - 2019    **AutoCAD Drafter** | Sedgwick/ EFI Global

## PROJECTS

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- **Algorithm Visualization Web-App** - Visualization of fundamental algorithms such as Linear and Binary Search, Bubble, Merge & Quick Sort. [jrescalona96.github.io/algovisualizations](http://jrescalona96.github.io/algovisualizations)
- **Truss Solver** - Web application that calculates External and Internal Forces, Node Displacements and Stress for a Structural Truss formation based on node loads, then displays a projection of the resulting truss formation. [jrescalona96.github.io/truss-solver](http://jrescalona96.github.io/truss-solver)
- **Weightlifting Routine Tracker** - A mobile application that helps users manage and track their workout sessions, with timer, guided sets, and reps as well as session summary. [wakay96.github.io/lfti](http://wakay96.github.io/lfti)
- **Card Collection Management Web-App** - An Application to keep track of a player's card collection. Implemented Front-End CRUD operations. [www.youtube.com/watch?v=Tv1DGACwy1U&feature=youtu.be](https://www.youtube.com/watch?v=Tv1DGACwy1U&feature=youtu.be)

## EDUCATION

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- 2018 - 2020    **California State Polytechnic University - Pomona, CA**  
B.S. Computer Science, Cumulative GPA: 3.70  
Magna Cum Laude
- 2015 - 2018    **Cerritos College - Norwalk, CA**  
Computer Science Transfer Program, Cumulative GPA: 3.78

## SKILLS

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- **Dart, JavaScript, Java**, HTML, CSS, Python, C++, C#, NoSQL, SQL
- **Flutter, React**, Angular, Spring Boot, Node, SASS, Bootstrap, Material UI, ExpressJS
- AutoCad