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| **Projects** |
| **Face & Eye Detection |** Python, Cascade, SVM, OpenCV, NumPy, Cascade, Python Dlib API, Anaconda, Spyder  Prepared and compared the two models using well-known methods (Cascade, SVM) to detect face and eye in running car. |
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| **Final Knife |** iOS, Swift, Firebase, NoSQL, and JSON  Developed an iOS application which store, edit and retrieve recipes from the database with user registration. |
| **Shopping App |** Android, Java, Firebase, NoSQL, and JSON  Developed a fully functional Android application to browse, search, filter and buy cameras. |
| **SDSU Class Registration |** Android, Java, Volley, NoSQL, JSON, IOS, Swift, and Alamofire  Designed Android and IOS application for SDSU Class Registration to view, filter, add and drop multiple class. |
| **Concentration |** IOS, Swift  iOS card game in which all of the cards are laid face down on a surface and two cards are flipped face up over each turn.  **Ball Game |** Android, Java, 2D graphics, Multi-touch, Multi-threading  An android app that lets the user create and move circles on the screen which bounce off screen edges. |
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| |  | | --- | | **Rest API Server |** Node, Express, Mongoose, MongoDB, Postman, OAuth, JWT, Passport-Authentication  Develop a full-fledged REST API server to implement the end-to-end solution integrating with JWT authentication. | |
| **Online Camera Store |** Servlets, JSP, JavaScript, Ajax, and jQuery  Developed an online storefront for Cameras with detailed work on every feature. |
| **Online Inventory System |** Perl,State Management, Sessions & Cookies, Encryption and Data Serialization.  Design web application for merchant to add, edit and remove inventory for their business. |
| **Internal Zoo Management System |** Angular JS, NoSQL, MongoDB and Node.js  Designed integrated set of functions to support management of a zoo. Includes Software planning, Requirement analysis, Alternative analysis, Peer review, Architecture, System Design, Software development, Test planning, Testing. |
| **SDSU Marathon |** HTML, CSS, JavaScript, jQuery, AJAX, PHP  Design Web application which is Registration form for Marathon Participant with validating data. |
| **Online Library System |** PHP, MySQL, JavaScript, HTML and CSS  Created a web application with team planning, peer review based on reuse system and alternative analysis. |
| **Workshop & Certification** |
| **Server-side Development with NodeJS, Express and MongoDB |** The Hong Kong University  **Design Patterns** **|** University of Alberta  **Cyber Security Workshop |** Alpha College of Engineering and Technology |