

Sean Sharma

Cell: (626)-808-6357 seanmakosharma@gmail.com La Canada, California

LinkedIn: <https://www.linkedin.com/in/sean-sharma-3581937b>

Personal Website: <https://www.seansharma.com/>

Work History

Freelance Software Engineer, Summer 2017-Present

Krys Towers LLC

- Building websites for property owners, and small businesses.

Intern, Summer 2012

NASA Jet Propulsion Lab

- Analyzed the improvement of our team's aerial imagery projection software by measuring the magnitude of shaking in various areas in data sets compared to older versions
- Added support for png and jpg file extensions in ground-truthing software
- Constantly helped software engineers on the team with their specific tasks, and participated in weekly meetings

Property Management Assistant, 2017-Present

Maxson Rd. Apts LLC, W 5th Street Apts LLC, Warwick Apts LLC

Education

University of Southern California

Master of Science in Computer Science (General), 2017. GPA: 3.414 /4.0

Courses: Information Retrieval and Web Search Engines, Security Systems, Multimedia Systems, Web Technologies, Database Systems, Compiler Design, Algorithms

Bachelor of Science in Computer Science, 2015. In-Major GPA: 3.52 /4.0

Courses: Artificial Intelligence, Multiplayer Game Programming, Algorithms, Operating Systems, Computer Graphics, Programming System Design, Professional C++

Projects

- **Polyseum.** www.polyseum.com. Platform/Gameplay Engineer
17-person, year-long multiplayer network game project.
Worked mostly on collecting and organizing: team data, room states, round states, player statistics, and gameplay metrics. Setup the data in JSON HTTP requests to send to back-end Node.js endpoints.
- **Emaily.** Web app that accepts Stripe credit card purchases in exchange for credits used to send out email surveys. Responses are shown on the logged in user's dashboard. Account e-mail verification along with local and google authentication using Passport.js.
- **Web Crawler and Search Engine.** Gathers statistics from crawled websites. Search engine includes PageRank calculations, autocomplete, spell correction, and snippet generation using data from Solr.
- **Stock Market Searcher Website and Android App.** Website that used 3rd party REST APIs to collect data about stocks. Users can view stocks, save favorite stalks, and view charts provided by Highstock API.

Skills

Languages: Java, C++, JavaScript, HTML, CSS, PHP, SQL

Tools: Node.js, Angular, Git, Bootstrap, WordPress