

Neil Sengupta

neilsgp.github.io
nesengup@ucsd.edu
858 361 5569

University of California, San Diego

2018 June / La Jolla, CA

BS Computer Science, Minor in Design

Skills

Front-end Engineering
Interaction Design
Visual Design
Web Design
Prototyping
Artificial Intelligence
Algorithms

Tools

HTML & CSS
Javascript
AngularJS
Java
Adobe Creative Suite
Sketch
Principle

Selected Projects

Stanford HCI Group

Undergraduate Researcher / Winter 2016

Read research papers and build prototypes for crowdsourcing platform that aims to improve upon existing options like the Amazon Mechanical Turk.

San Diego Supercomputer Center

Software Engineering Intern / Summer 2016

Utilized BioJava library to write high performance clustering and comparison algorithms for 3D biomolecular structures and researched the use of Apache Parquet for compressed storage

UCSD CSE Department

Undergraduate Tutor / Fall & Winter 2016

Tutor a class of 300 people in Introduction to Programming in Java. Help students understand programming concepts and help them with their assignments

Friends and Food

Designed a new mobile experience to set up lunch and dinner meetings with friends by algorithmically suggesting times based on user preferences and location. Performed needfinding, parallel prototyping in Sketch and Principle and A/B testing for maximum results for user onboarding flow

Ethnographic Case Study

Perform field study of a designer from Digital Telepathy using Google Search for design workflow. Performed needfinding by analysing work patterns and presented results for improvements in search flow

Phetch

Redesigned the experience for sharing resources and managing tasks amongst people living in shared spaces. Performed User Research, Competitive Analysis and rapid prototyping for final product