San Mateo, CA 94404 GitHub: dineyw23 BitBucket: dineyw23 EMPLOYMENT

### DINEY WANKHEDE

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# Software Engineer - Intern

#### Nopical Inc., California

Feb 2017 – Present

- · Working on the core News Aggregator which is a MeteorJS (NodeJS + MongoDB) application
- · Moved the LAMP stack based backend API engine which utilizes Twitter's REST API to AWS EC2 instance

#### **Developer Intern**

#### **Distributed Learning Tech, CSU Chico**

June 2015 - Dec 2016

- · Involved in development of Java application for efficient and easy manipulation of courses and course structure
- · Worked in an agile team, participated in complete SDLC and used Java with Blackboard's REST API
- Utilized methods of Java's Collection Interface, Concurrent API and Thread class
- · Built layouts, forms, templates and authentication pages using standard HTML, CSS and JavaScript

#### **Android Developer Intern**

#### **ARK Techno Solutions, India**

June 2013 - July 2013

- Delivered innovative implementation ideas for multiple android applications and wrote unit test cases (JUnit)
- · Identified technical bugs, logical memory leaks and worked to fix application bugs

#### TECHNICAL SKILLS

Languages: Java, C++, C, Python, HTML, CSS, JavaScript, MeteorJS, Oracle SQL, NoSQL – RethinkDB

Technologies: Android, Spring and Rails MVC, RESTful Web Services, jQuery, JUnit, HTTP, TCP/IP, Bootstrap, AWS EC2

Tools: Linux tools, Git, GDB, cURL, Valgrind, GCC, Wireshark, Sketch App, Burp Suite, JMeter, Eclipse, Vim, XCode

#### **EDUCATION**

#### **M.S Computer Science**

#### California State University, Chico

Dec 2016

• Master of Science in Computer Science

#### **B.E Information Technology**

#### University of Mumbai, India

May 2014

Bachelor of Engineering in Information Technology

#### **Relevant Coursework**

- Software Engineering
- · Distributed Computing
- Object Oriented Programming

- Design and Analysis of Algorithms
- Data Structures and Algorithms
- Operating Systems

#### PROJECT EXPERIENCE

## • Real-Time Q & A | JavaScript, HTML5, CSS, PubNub API

Jan 2017

Built a Questions and Answers platform based on Publish-Subscribe communication model

Concurrent Set Data Structure | C, Concurrent programming, API design

Dec 2016

Implemented a thread-safe Set library where all operations can be invoked from any thread running on same server

Privacy Preserving using Bayesian Network | Java, Privacy, IEEE
 Devised a novel algorithm to release private data while preserving privacy based on Bayesian's graph algorithm

• Gold Chase Multiplayer Game | C++, Distributed Computing, Sockets Multiplayer and multi-threaded terminal game where players search for real gold from fool's gold Utilizes semaphores, sockets, neurces library and signal handling to coordinate between processes on various systems

Chico State Video Search | Java, YouTube API, Spring
 Developed a video search application consuming YouTube Search API where users can search and comment on videos

• Tree and Graph Data Structures | C++, Java Dec 2015
Implemented tree and graph based optimal algorithms like Dijkstra's, Minimum Spanning and Red-Black Tree

• Flash | Android, Java, XML, Google Maps API, AWS

Application to create flash cards with location based reminder system and share with friends' feature

• **Discussion application |** Ruby, Rails MVC, Heroku, Bootstrap Spring 2015 Rails application hosted on Heroku for where users can post links, vote on links and start a discussion about the post

#### HONORS AND ACTIVITIES

- · Received 'Graduate Student Research Funding' from CSU, Chico awarded to top graduate research topics
- Participated in ethical hacking competition (National Cyber League) and ranked 8th of 2000 participants nationally
- Trained 10 students every semester for 3 semesters at CSU, Chico to test of university web servers
- Contributed meaningful code in C++ and JavaScript to open source project like RethinkDB
- · Awarded 'Best Student of High School' title along with scholarship for excellence in grades and extra-curricular activities