Alex Algorithm

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USCViterbi
School of Engineering

EDUCATION

University of Southern California, U.S.A.	**Dec 2017**
M.S., Computer Science *(Algorithms, Artificial Intelligence, Databases, Gaming, Information Retrieval & Search Engines)*	**GPA: 3.5**
Vellore Institute of Technology, India	**Sep 2013**
Software Engineering *(Data Structures, Web Technologies, Project Management, User Experience, Software Testing, OOPS)*	**GPA: 3.6**

WORK EXPERIENCE

Product Manager | **Pipemonk, India** *(acquired by Google Company - Freshdesk)* **Aug 2014 - Dec 2015**

- Drove the SaaS product development – Quickbooks and Shopify integration from inception to launch.
- Scaled the product and took the product to 1st place in the app stores 5 months after MVP
- Achieved 60% conversion of Ideal Customer Profiles (Free Trial to Paid accounts)
- Decreased churn from 6% to 3% by focusing on customer success and conducting A/B experiments
- Collaborated with a colleague to design an automated internal tool which reduced debugging time by 70%

Software Engineer | **Accenture, India** **Oct 2013 - Jul 2014**

- Implemented Oracle CRM web and iOS mobile application for a finance asset management company
- Wrote requirements documents and translated business requirements into technical implementations
- Rolled out project in 16 countries and in eight different languages with numerous localized features

Software Engineer Intern | **Wuhan University, China** **Jan 2013 - May 2013**

- Managed a team of nine and developed an android mobile application for a vehicle insurance company
- Collected client (FanNuo Softwares) feedback iteratively and helped them achieve 60% user happiness

SKILLS

- **Functional:** Product Management, Technical Consulting, Customer Success, Business Analysis, Project Management – Agile
- **Technical:** Java, JavaScript, HTML5, Python, SQL, XML, JSON
- **Tools:** AWS, Google Cloud, Salesforce, Jira, Confluence, Google Analytics, Sketch, Photoshop, InVision, Visio, Excel (Macros), Eclipse, IntelliJ, GIT, Tableau, Hadoop MapReduce, Android Studio, RStudio, MongoDB, MySQL, SQL Server

PROJECTS - *https://github.com/alexalgorithm*

Search Engine **Fall 2017**

- Completed implementing a Web Crawler, built an Inverted Index using *Hadoop MapReduce* on *Google Cloud* and in process of building a search engine on top of it using *Solr & Lucene*

Alexa Skills (Published) **Summer 2017**

- Event Finder (using Meetup API), Expense Tracker, Complexity Helper *(AWS, DynamoDB, Node.js)* ***LetsVolunteer.in***: A platform to connect volunteers with NGOs
- Raised $3000 in 2-weeks *(HTML, CSS, AJAX, Javascript)*

*Hero Clash (*heroclash.info) **Spring 2017**

- Developed a multi-player networked mobile game *(Unity and C#.Net)*

IDog **Fall 2016**

- Created an artificially intelligent agent that can infer based on provided knowledge, take decisions by calculating conditional probabilities, and play games using adversarial search techniques *(Python, Bayesian Network, First Order Logic, Alpha-Beta)*

HONORS AND AWARDS

- Won Los Angeles' Deloitte Startup Challenge **Apr 2017**
- Won Amazon Alexa Challenge – Hack the Dorm **Dec 2016**

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Development Assistant, Marshall Partners, USC	**Jan 2017 – Present**
Computer Science Student Senator, Viterbi School of Engineering, USC	**Aug 2016 - Dec 2016**