SUKRIT CHHABRA

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EDUCATION

Drexel University, Philadelphia, PA

> *B.S., Computer Science, Minor in Mathematics*
> Graduated Dec '16
> Relevant CS Courses taken:
  - Graphical User Interfaces (CS 338)
  - HCI 2 (INFO 310)
  - Interactive Comp. Graphics (CS 432)
  - Web and Mobile App. Dev (CS 275)
  - Data Structures (CS 260)
  - Software Design (CS 350)
  - Algorithms (CS 457)
  - Database Systems (CS 461)
  - Software Engineering (CS 451)
  - Systems Programming (CS 283)

SKILLS

> Proficient in:
  - Java, JavaScript (ES5, ES6, Typescript), HTML5, CSS3
  - Frameworks: Handlebars, Angular
  - DBs: SQL (MySQL, SQLite)
  - Technologies: Node, GIT, SASS, JQuery, Lodash, Bootstrap
  - Tools: NPM, Bower, Gulp, Grunt, Browserify
  - Other: MVCs, AJAX, SCRUM, Agile Development, MS Office Suite.

> Familiar with:
  - React, EmberJS
  - Webpack, MongoDB, Django
  - PHP, C/C++
  - JUnit, Jasmine.js

EXPERIENCE

Front End Engineer - Volunteer
Philadelphia, PA
Y-Center
June '17 - now
> Developing a functional demo of Y-Center's Web Platform using React, ES6, SASS, Webpack, and Node.
> Replicating designs and sketch prototypes into a functional single-page application.
> Creating a minimalistic UI and enhancing UX using Material and Flat Design.
> Integrating the platform with various external services like Heroku, whiteboard services, etc.

Full Stack Engineer
New York, NY
DeansList Inc.
March '17 – June '17
> Extended and developed various UI components to add features to the software.
> Developed APIs in PHP and SQL to structure and retrieve data from the database.
> Implemented UI/UX design and development principles (modern fonts, contrasting colors, material design) to enhance a user's experience on the website.
> Implemented router architecture for tabbed/routed pages.

Web Developer and Research Assistant
Philadelphia, PA
ExCITe Center, Drexel University
March '15 – September '15
> Part of a cross-functional research team with a focus on computational education.
> Developer on the Snowball project – An open-source WordPress plugin to create immersive articles on the web.
> Designed/Developed prototypes for **Snowball** and **Mozilla's Webmaker Project**.
> Developed UI components (different content types the plugin supports and the user can use) and many other features of Snowball. (Javascript, HTML5, CSS3, PHP).
> Developed Snowball's website along with a web-page with Snowball's documentation for developers.
> Snowball was featured on the jQuery Blog and currently has over **4000 downloads**.
> Led workshops on learning web technologies targeting families with young children as part of Explorer Sunday, during Philadelphia Science Festival.
> Contributed to 2 ACM Publications from Nester and Snowball as part of the openHTML team.

TECHNICAL PROJECTS

Diggly – Senior Design Project
Philadelphia, PA
A system that visualizes Wikipedia data as graph nodes.
September '15 – June '16
> Formulated the core algorithm for calculating relatedness between Wikipedia pages and how relatedness changes based on user interactions.
> Developed front-end components in Angular to provide relational data to a user as visual tools and not just numbers and/or text.
> Created a primitive library for Search which is used by the search component of the application.
> Handled user-session management for the application using cookies.

YouTubeHover – Chrome Extension
Philadelphia, PA
> Developed a chrome extension to preview YouTube videos when you hover on their thumbnails.
> Developed the controllers which control and react to a user's actions on YouTube.
> Developed and designed the options page which allows a user to completely customize the extensions behavior to their liking.
> Constructed the architecture of the system for rapid development.
> Established proper release structure for new releases of the extensions.
> Actively providing support to users who may need help or face issues.