Sandesh Pathak

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EDUCATION

- **Fullstack Academy of Code**, Software Engineering Immersive *August 2016- December 2016*
- **Drexel University**, BA in Mathematics *August 2013-September 2015*
- **Caldwell University**, BA in Mathematics *September 2011-August 2013*

TECHNICAL COMPETENCIES

- **Proficient**: JavaScript/ES6, React, Redux, Node.js/Express, PostgreSQL, Git, CSS, Google Analytics
- **Knowledgeable**: Java, Python, jQuery, Firebase, Jasmine, Mocha/Chai, Threejs, Heroku
- **Interested**: Machine Learning, AWS, Big Data Analytics, Adobe suites

MAJOR TECHNICAL PROJECTS

BlobWorld **[Github link]** *October 2015*
- A web-based 3D game that allows multi-player and multi-rooms built by a team of four in two weeks.
- Contributed in planning/deployment; writing test specs for frontend/backend; and writing code for threejs/redux/express.
- Built with React/Redux, Sequelize, Express, Threejs and Canonjs

JavaScript Chess **[Github link]** *October 2015*
- Completed a simple chess game using JavaScript as part of a Hackathon project
- Currently working on to facilitate special edge cases of Chess.

PROFESSIONAL EXPERIENCE

Airbnb Property Manager *October 2015 — July 2016*
Ureii Inc *Philadelphia, PA*
- Oversaw changing new houses and rentals into fully furnished Airbnb listings that helped the company grow revenue by 300%.
- Improved hospitality of four Airbnb listings that contributed to improve customer flow by 25% and overall ratings by 1 star.

Web Developer Co-op *March 2015 — September 2015*
Historical Society of Pennsylvania (HSP) *Philadelphia, PA*
- Led project management in the full-cycle development of HSP website. This included analyzing databases for research, communicating with HSP for product requirement writing, concept development, and creation of mobile website for HSP site
- Collaborated with lead web developer to develop new customer features and workflows using JavaScript and PHP
- Relied on Google Analytics to create custom reports which were used to analyze and predict mobile web trends and presented findings to management on a weekly basis that eventually increased user traffic by 10%

Network Administrator Co-op *March — September 2014*
DSG Global Headquarters *Malvern, PA*
- Performed network and desktop training workshops for staff that helped increase productivity of the company
- Improved network by performing network monitoring/analysis; performance tuning; troubleshooting network problems; and escalating problems to vendor which eventually increased network performance by 15%
- Helped to optimize the daily and weekly SQL backup process by automating parts of previously used backup processing

VOLUNTEER EXPERIENCE

Volunteer Intern *August 2010 — June 2011*
Open Learning Exchange Nepal *Kathmandu, Nepal*
- Prepared new computers and servers for deployment in Nepal to help develop education for rural and underfunded schools
- Assisted engineers by travelling to the schools and completed workshops for teachers and installed new hardware in schools