Minwei Xu

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Rising Junior at Johns Hopkins University. Web and mobile developer with dabbling in data science. Passionate about programming and devoted to open-source projects. Extensive experience with React.js, Swift/Objective-C, D3.js. Familiar with Java, Node.js, SQL, Nginx, Redis, Python, C/C++, and Linux.

EDUCATION

Johns Hopkins University   Sep 2016 – June 2019 (Expected)
- B.S. in Computer Science and Applied Mathematics & Statistics
  - GPA: 3.88 / 4.0   o Dean's Honor List (All Past Semesters)

University of California, Davis   Sep 2015 – June 2016
- B.S. in Computer Science
  - GPA: 3.97 / 4.0   o Dean's Honor List (All Quarters)

PROFESSIONAL EXPERIENCE

Facebook - Software Engineer Intern   Menlo Park, CA (May 2017- Present)
- Full stack development with Objective-C, PHP(Hack), and GraphQL.

Picksy - Co-Founder and CTO   Baltimore, MD (February 2017- Present)
- In charge of the development of iOS application and the whole architecture.

NewA Tech - Full Stack Developer   Shanghai, China (June - August 2016)
- In charge of the development of application. Launched the first demo from scaffold in four weeks.
  - Created robust **Python** code to preprocess data, render plots, and auto select machine learning models accordingly.
  - Connected **Node.js** server to jupyter server. Developed front-end in **React** and **Redux.**

RESEARCH

Johns Hopkins Information Security - Researcher   Spring 2017 - Present
- Working with Doctor Anton Dahbura to design a workflow system for the home infusion group.

Johns Hopkins Carey Business School - Research Assistant   Fall 2016 – Spring 2017
- Worked with Doctor Shweta Gaonkar. Processed a big dataset. Built a robust web scraper and parsed data.

UC Davis ViDi Lab - Researcher   Fall 2015
- Worked in Professor Kwan-Liu Ma's Visualization & Interface Design Innovation (ViDi) research group.
  - **Living Liquid** - An interactive visualization of marine animal migration. Currently on exhibition at Exploratorium. Developed by Express, Backbone, and Gulp.
  - **Neuroscience Research** – Worked with a neuroscience group to explore better data visualization methods by D3.js

SJTU BASICS Lab (Data Visualization) - Researcher   Summer 2015
- Worked with Professor Xiaoju Dong at Shanghai Jiao Tong University. Developed by D3.js

AWARDS

- 2016   **ACM-ICPC Mid-Atlantic Region**   Honorable Mention
- 2016   **HopHacks**   3rd Place Overall
  Orgo Savior - An Augmented Reality iOS app for the visualization of molecules.
- 2016   **HackDavis**   Most Innovative Hack | Best UX With Amazon Alexa
  Chrome Voice Assist – A chrome extension that can control the browser by Amazon Echo.
- 2016   **UC Davis Algorithm Hackathon**   1st/80
- 2015   **ACM-ICPC Pacific Northwest Region**   Division 1 Honorable Mention
- 2015   **HackingEDU**   Best Collaboration Hack Using Moxtra

CONTRIBUTIONS AND ACTIVITIES

- **HopHacks** | Organizer | 2017 – Present | A hackathon based at Johns Hopkins University.
- **SiliconHacks** | Organizer | 2017 Spring | A social-impact hackathon based in Silicon Valley.
- **Computer Science for Kids** | Volunteer | 2015 Fall | Taught 40 elementary school students to program.
- **angle-to-direction** | Author | An npm package with 2000+ downloads.
- **hackathon-starter** | Major Contributor | A boilerplate for Node.js web applications with 18000+ stars.
- **CMS** | Translator | A contest management system for IOI and other contests.
- **Contributed** to D3.js, React.js, and many other projects.