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# PATRICK PEI

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## EDUCATION

*Nashville, TN*

**VANDERBILT UNIVERSITY**

**August 2015 – May 2019**

- B.S. & M.S. (4 year combined track) in Computer Science
- GPA: 3.9/4.0. Major GPA: 4.0/4.0
- Dean's List (all semesters)

## ONLINE COURSES

- Uber/CodePath – 8 week Android development course (Ongoing)
- Udacity – Progressive Web Apps; Technical Interviews
- Google For Education – Python Course

## WORK EXPERIENCE

**Front-End Developer (Intern)**

**WebGME**

**Summer 2016**

- Created user interface for meta-modeling group's users, projects, and organizations management
- Developed an isomorphic SPA (Single Page Application) with ReactJS, MongoDB, NodeJS, and Express

## TECHNICAL EXPERIENCE

- **Mozilla Open Source (Ongoing).** Working with a mentor to patch Firefox debugging panel's prop-type validations in response to Facebook React's ^15.0.0 release. JavaScript
- **"TechConnect" (Summer 2016).** Platform to connect mentors and mentees to break industry stereotypes and support gender parity in tech. NodeJS, React-Native, AWS' DynamoDB
- **"Findr" (CatHacks 1st place, Spring 2016).** Google Chrome extension that makes both the visual content and text in images on any website searchable using optical character recognition and computer vision. JavaScript
- **"Peer Pressure" (FiskHacks 1st place, Spring 2016).** Android alarm clock app that sorts contacts into tiers of "do not call" and calls people in increasing tiers upon snooze. Java, SQLite

## ADDITIONAL EXPERIENCE

- **President, VUTTC (Vanderbilt University Table Tennis Club):** Restructuring university's recreational table tennis club to spread awareness of professional table tennis as a sport and the joy of playing.
- **Treasurer & Event Board Committee, VandyCS:** Working with a team to organize events for Vanderbilt University's computer science students. Recently brought in a speaker to give a talk on Google DeepMind's AlphaGo and adversarial artificial intelligence.
- **Pianist & Singer, Harmonies for the Elderly:** Rehearses and performs in a group of five for music therapy to nearby senior citizen homes.
- **Volunteer, Code Ignite:** Teach Python fundamentals to high school students

## AWARDS AND HONORS

- **SAT 2380** – (800R, 800M, 780W).
- **Hackathons:** 1st place at FiskHacks 2016 (TN), 1st place at CatHacks 2016 (KY)
- **Represented USA in international table tennis competitions:** 2015 Canadian Junior & Cadet Open in Markham, Canada. 2014 Hong Kong Nikon Junior & Cadet Open.
- **Piano performance at Carnegie Hall:** 2012.

## LANGUAGES & TECHNOLOGIES

- JavaScript; Java; C++; Python; HTML; CSS
- ReactJS, React-Native, NodeJS, MongoDB, DynamoDB, SQL, Git, Android SDK