

Patrick Mendus – Software Engineer

(724) 961-1117 | mendus59@gmail.com | www.patmendus.com

Technical Experience and Projects

THESLEEPLESS, INC.

POSITION: FULL-STACK SOFTWARE ENGINEER

JANUARY 2017 - CURRENT

REMOTE: CHICAGO, IL

- **Project:** Advertising Directory
- **Demo:** <http://wa-parks.mmsdir.com/>
- **Languages:** Python, JavaScript, HTML, CSS, SQL, Java
- **Tools:** Django, SQLite, MongoDB, Gradle, Git, SASS
- **Skills:** RESTful Web Development, Test-Driven Development, Code Refactoring, Data Migration, Object-Oriented Development, Agile Software Development, UI/UX Design, Single-Page Application Development
- **Summary:** I was hired by my professor, the CEO of TheSleepless, Inc., to continue developing an advertising directory web application that I submitted as part of a school application design. The ad directory was originally a RESTful web application with a JavaScript Front End, Java Back End, and MongoDB for persistence which I developed as part of an Agile team of four. After working on the project outside of class, I determined that Python Django was a much better fit for the application and refactored the Back End in Python while migrating the Front End to use Django's templating system. The project is now complete and being marketed for licensing to various local and state government agencies.

WESTMORELAND COUNTY COMMUNITY COLLEGE

POSITION: COMPUTER SCIENCE INSTRUCTOR

SPRING 2015 - CURRENT

REMOTE: YOUNGWOOD, PA

- **Demo:** <http://wcccdesign.com/mendus/> (student websites)
- **Languages:** JavaScript, HTML, CSS
- **Tools:** FTP, ReactJS, AngularJS, Node.js, Handlebars, SASS
- **Skills:** RESTful Web Design, Object-Oriented Design, API Design, Blackboard, Teaching
- **Summary:** I teach online JavaScript classes to students of Westmoreland County Community College. Throughout the semester my students learn JavaScript through RESTful Web Development, API Design and Consumption, Web Application Development, and various JS Frameworks, mainly ReactJS and Angular.

VIBES MOBILE MARKETING SOLUTIONS

POSITION: SOFTWARE ENGINEER INTERN

MAY 2017 – DECEMBER 2017

CHICAGO, IL

- **Project:** Vibes Mobile Wallet
- **Languages:** Ruby on Rails, JavaScript, HTML, CSS, SQL
- **Tools:** ActiveRecord, ReactJS, Backbone, SASS, Handlebars, PostgreSQL, MySQL, Jira, GitLab
- **Skills:** Agile Development, Behavior-Driven Development, Iterative Workflow, API Design, Data Migration, Versioning, Security and Penetration Testing, Code Reviews
- **Summary:** I had a six-month internship working with a team of six developing Vibes Mobile Wallet application on a large Ruby on Rails application that integrated coupons with both Android Pay and Google Wallet. My primary responsibilities included clearly defining and documenting API routes, upgrading various applications to newer versions of Rails and Ruby, security and penetration testing, UI/UX development, and completing Agile stories as needed.

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Non-Technical Experience

WESTMORELAND COUNTY COMMUNITY COLLEGE

SPRING 2013 – SUMMER 2015

POSITION: PROFESSIONAL TUTOR

YOUNGWOOD, PA

- I was a professional tutor for all computer science, web development, graphic design, drafting, and electronics classes. I regularly tutored up to 10 students in one-on-one sessions, including students with learning disabilities or special needs.

FUZHOU LAKESIDE INTERNATIONAL SCHOOL

SUMMER 2012 – SPRING 2013

POSITIONS: INTEREM PRINCIPAL, HISTORY

FUZHOU, FUJIAN PROVINCE, CHINA

TEACHER, HEAD OF IT, HEAD LIBRARIAN,

ASSISTANT PRINCIPAL

- I was one of 10 American teachers hired to start a new school in Fuzhou, China. The day I was to leave for Fuzhou, the principal called me from the hospital and asked me to take the role of Acting Principal for a few days because of health problems she was experiencing. She arrived in Fuzhou six weeks later; during that time I remained Acting Principal and coordinated the opening of this brand new school. As Acting Principal I was involved and decided on many issues, such as what materials to purchase, what classes we need to offer to comply to our chosen curriculum, and what the daily school schedule should be, all while dealing with issues other teachers had and performing my original hired role of History Teacher. Upon the principal's return, I was promoted to Assistant Principal and continued to teach History, Guitar, Computer Science, and manage the school's technology and library.

Education

MASTER OF COMPUTER SCIENCE

FALL 2015 – SPRING 2018

ILLINOIS INSTITUTE OF TECHNOLOGY

CHICAGO, IL

- **Major:** Computer Science
- **Concentration:** Software Engineering
- **Related coursework:** Introduction to Advanced Studies I (Data Structures), Introduction to Advanced Studies II (Computer Architecture), Operating Systems, Object-Oriented Design and Programming, Database Organization, Computer Graphics, Introduction to Algorithms, Software Engineering I, Software Systems Architectures, Design and Analysis of Algorithms, Object-Oriented Analysis and Design, Biometrics, Software Project Management, Geospatial Vision and Visualization, Cloud Computing.

ASSOCIATE OF APPLIED SCIENCE

SPRING 2013 – SUMMER 2015

WESTMORELAND COUNTY COMMUNITY COLLEGE

YOUNGWOOD, PA

- **Major:** Computer Technology – Programming for the Enterprise, Web Publishing
- **Minor:** Database Application, Programming, Web Development, Web Applications
- **Related coursework:** C++ Programming, Visual Basic I, Visual Basic II, Java Programming II, Systems Analysis and Design, HTML and CSS, JavaScript, Dreamweaver Advanced, Interactive Design, Social Media in Business

BACHELOR OF ARTS

SUMMER 2012

SAINT VINCENT COLLEGE

LATROBE, PA

- **Major:** History
- **Minor:** Chinese Studies