

Dingyu Peng

+1 217-979-6658 dpeng4@illinois.edu <https://github.com/doublehiddenblade/> <http://dingyupeng.com>

Education

University of Illinois Urbana-Champaign, 09/2019-05/2021

Master of Engineering in Mechanical Engineering

Expected Graduation: May 2021

University of Illinois Urbana-Champaign, 08/2015-05/2019

Bachelor of Science in Mechanical Engineering Technical GPA: 3.47/4.00 Graduation: May 2019

Related Coursework: Data Structures Honors, Computer Systems & Programming, System Programming, UI Design, Applied Parallel Programming, Manufacturing Data & Quality Systems, Intro to Computing

Internship

Front-end intern Ouyeel International Inc. (e-commerce company of steel) 05/2019 – 08/2019

- Built a mobile-based social media app for employees to post thoughts and comments, with functions including lazy loading, advance/backward button, sorting by date, using webpack, Vue.js, AJAX, HTML, CSS, JavaScript
- Implemented the new home page for Ouyeel logistics platform according to design, from layout to interactive animations, using webpack, babel.js, HTML5, CSS3, Sass, JavaScript (ES6, jQuery)
- Contributed to the company front-end component library, implemented a province-city-area selector component with prototypal inheritance standard

Projects

Full stack project: freetitle.us student organization 01/2020 – Now

- Built a responsive website for student art community, had 70 active users and 5000 page visits
- Designed and created features including google sign-in, posting/editing blogs, public events and profile pages, real-time commenting and following, receiving notifications, sharing, light/dark mode, scroll memory, user analytics, link insertion and anti XSS attacks, admin privileges
- Achieved with React, Redux, Hooks, Material-UI, Firebase, hosted on Firebase Hosting

Multiplayer Web game: Monopoly with combat (link in personal website) 11/2019 – 01/2020

- Made a web-based monopoly game that supports up to 4 players per room with live chat
- Players take turns to purchase land, upgrade, recruit soldiers, attack lands (resolve using dices based on the number of soldiers on either side), trade resources, reach monetary or conquest victory
- Made with React, Pubnub api, hosted on Github Pages

Full-stack Development: Wechat pay for ASMR content freelancing project 06/2019 – 07/2019

- Allowed user to register and log in to browse ASMR content and unlock content via scanning Wechat QR code, without using Wechat API, avoiding censorship
- Developed an android app that listens to the payment alert on a cell phone (supports multiple phones to handle concurrency) and sends payment information to the server via API calls, unlocking the content for user
- Features: CAPTCHA verification, retrieve password from email, pagination, sorting by latest/hottest/other labels, subscribed content page
- Developed using HTML/CSS, JavaScript, Python, Django, Apache, MySQL, hosted on Ali Cloud

Skills

- Intermediate: React.js (Redux, hooks), HTML/CSS, JavaScript (ES6), jQuery, Node.js, Vue.js, Python, Django, Git
- Beginner: AJAX, RESTful, D3.js, Webpack, Gulp, SVN, CUDA