

# YIPING NIU

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Portfolio: <https://nndou.netlify.com/>

LinkedIn: <https://www.linkedin.com/in/yiping-niu/>

GitHub: <https://github.com/Nndouu>

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## PROFESSIONAL SKILLS

### Tech Skills

- **Front-End Development:** React.js, Redux, Redux-Saga, Angular 2/6/7, CSS3, Sass, Less, HTML5, Pug(Jade), JavaScript ES6/ ES7/ ES8, TypeScript, AJAX, React Context API, React Hooks, Ant.design, Bootstrap, Materialize, Semantic UI, Responsive design, Webpack
- **Back-End Development:** Node.js, ExpressJS, Mongoose, RESTful API, KeystoneJS, PHP, CodeIgniter
- **Database:** MySQL, MongoDB
- **Coding Languages:** JavaScript, Python, SQL, PHP, MATLAB, Java
- **Machine learning:** PyTorch, TensorFlow, Pythonic libraries (NumPy, Panda, Scikit-learn etc), OpenCV, Weka
- **Tool:** VSCode, Visual Studio, Eclipse, Jupyter Notebook
- **Cloud:** AWS S3, EC2, Heroku, MongoDB Atlas

### UI/UX Skills

- **Design Process:** Conceptual Design, Interaction Design
- **Prototyping software:** Photoshop, Adobe Illustration, Zeplin, Sketch, Mockplus, Balsamiq Mockups
- **Testing:** TAM, SUS, Time on Task, A/B testing, Cognitive walkthrough, Heuristic evaluation

### Teamwork Skills

- **Tool:** Git, GitHub, Bitbucket, Trello, Jira
- **Methodology:** Agile, Scrum

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## WORK EXPERIENCE

### JR Academy

Full Stack developer

2018.06 - Present

- Building series of responsive commercial websites for JR Academy
- Developing reusable web components to consume the API using React/HTML5/CSS3.
- Developing responsive design using flexbox and media queries.
- Testing front-end code in multiple browsers to ensure cross-browser compatibility.
- Add API for services using Node.js, MongoDB and KeystoneJs.
- Bug Fixing, Site maintenance and enhancements to improve overall site performance.
- Capable of quickly learning and delivering solutions as an individual and as part of an agile team.

## Projects:

### JR Academy official site

- The official website of JR Academy
- Project Management: Jira, bitbucket
- Front-end development: CSS3, Sass, Pug(Jade), JavaScript ES6, React.js, Redux, Bootstrap, jQuery, Responsive design
- Back-end development: Node.js, MongoDB, KeystoneJs, Mongoose, RESTful API
- Preview URL: <https://jiangren.com.au/>

### Online learning system

- The dashboard for students and teachers of JR Academy
- Project Management: Jira, bitbucket
- Front-end development: CSS3, Less, HTML5, JavaScript ES6, React.js, Redux, Redux-Saga, React hooks, React Router, Bootstrap, Ant Design Pro, dva, Responsive design
- Back-end development: Node.js, MongoDB, Mongoose, KeystoneJs, RESTful API
- Preview URL: <https://learn.jiangren.com.au/>

### Contacter

- A web application that user can register, login, which they could use this app to keep and manage their contact details with others
- Used CSS3, Sass, HTML5, JavaScript, React.js, React hooks, Bootstrap, Responsive design for front-end development
- Used Context API for state management, and used react-transition-group and Animate.css for animations
- Used Node.js, MongoDB, Express, Mongoose, RESTful API for back-end development. Used JWT for authentication
- Preview URL: <https://contact-book-nndou.herokuapp.com/>
- Git Repository: <https://github.com/Nndouu/contact-book>

### JR Talent

- JR Talent focuses on employment marketplace, find jobs and career related information or recruit the ideal candidate.
- Front-end development: CSS3, Sass, HTML5, JavaScript ES6, Bootstrap, Responsive design
- Back-end development: Node.js, Koa, docker, RESTful API
- Preview URL: <https://jrtalent.com.au/>

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## OTHER PROJECTS

### G-finder

- A web application that could search Github users and repositories
- Used CSS3, Sass, HTML5, JavaScript, React.js, React hooks, Bootstrap, Responsive design for front-end development
- Used Context API for state management, Animate.css for animations
- Getting raw data from GitHub Developer API
- Preview URL: <https://gfinder.netlify.com>
- Git Repository: <https://github.com/Nndouu/g-finder>

## Portfolio

- My portfolio website
- Used CSS3, Sass, HTML5, JavaScript, React.js, React hooks, Bootstrap, Responsive design for front-end development
- Used Node.js, MongoDB, Express, Mongoose, RESTful API for back-end development
- Preview URL: <https://nndou.netlify.com/>
- Git Repository: <https://github.com/Nndouu/portfolio-nndou>

## Weather-app

- An app that can view weather, humidity, wind direction and other information in various cities in Australia
- Used CSS3, Sass, HTML5, JavaScript, React.js, Bootstrap, Responsive design for front-end development
- Used Node.js, Express, Mongoose, RESTful API for back-end development, getting raw data from OpenWeather API
- Deployed backend on Heroku and frontend on Github.

## N-Market

- An online second-hand market with PHP framework(CodeIgniter) with MVC design pattern
- Login and register system, upload and change avatar
- Set secret questions and change the password by answering the secret questions
- Search for items by keyword
- After logging in, users can post the items they want to sell to the market
- Shopping cart and wish list with adding and removing items

## HCDR

- The data set from Kaggle Competition: Home Credit Default Risk
- Generating suitable models based on training set to predict clients' repayment abilities. This is a two-class problem and the results of the prediction is whether the clients can repay the loans
- Project process: Exploratory Data Analysis, Feature engineering, Data modeling and Model Tuning
- Algorithm: Logistic Regression, KNN, SVM, Random Forest Classifier, Xgboost, LightBGM
- The tools for data analysis: Matlab, panda, sklearn, numpy
- Best result:0.78594(The top places on Kaggle is 0.80570)

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## QUALIFICATIONS

- Good learning ability, can quickly learn new skills
- Enjoy spending free time learning new technologies and building new and challenging projects
- Strong organizational skills
- Good at using search engines to search reference materials. Have the ability to use search engines to find all kinds of information needed and sort them out
- Ability to independently identify and solve problems
- Capable of completing tasks on time

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## EDUCATION

2017 - 2019	<b>The University of Queensland</b> Master of Information Technology	Brisbane
2011 - 2016	<b>China University of Petroleum, Beijing</b> Bachelor of Geological Engineering	Beijing

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## REFEREES

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