

# YIPING NIU

MacGregor, Brisbane 4109

(+61) 0449 920 726

yp.niu.dev@gmail.com

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

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

---

## PROFESSIONAL SKILLS

### Tech Skills

- Front-End Development: CSS3, Sass, HTML5, AJAX, JavaScript, React.js, React Context API, React Hooks, Bootstrap, Semantic UI, Responsive design
- Back-End Development: Node.js, Express, Mongoose, RESTful API, PHP, CodeIgniter
- Database design and management: MySQL, MongoDB
- Coding Languages: CSS3, HTML5, JavaScript, Python, SQL, PHP, MATLAB
- Machine learning: PyTorch, TensorFlow, Pythonic libraries (NumPy, Panda, Scikit-learn etc), OpenCV
- Tool: VSCode, Visual Studio, Eclipse, Jupyter Notebook
- Cloud: AWS, Heroku

### UX Skills

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

### Teamwork Skills

- Tool: Git, Github, Bitbucket, Trello
- Methodology: Agile, Scrum

---

## PROJECTS

### 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>

### G-finder

- A web application that could search Github users and get their information 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>

#### 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.

#### 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)

---

## QUALIFICATIONS

- Good learning ability, can quickly learn new skills.
- 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.

---

## 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