

YAN PENG

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To whom it may concern,

I would like to apply for the hydraulic software engineer. Currently, I am taking an internship in Jacobs in U.K. I researched the hydro-informatics and water management in Warsaw University of Technology, Newcastle University and Polytech Nice Sophia. In 2016, I graduated from Beijing Institute of Technology with Bachelors of Science of Automation and Business Administration. I firmly believe that my knowledge and experience gained as an experienced engineer will add value to this position and ultimately your organization.

In March 2018, I joined Jacobs. Here, I'm supporting the development of Flood Modeller, including implementing, testing and debugging code. Last summer, I took an internship in Tropical Marine Science Institute, National University of Singapore. And my job was analyzing and visualizing data via R language. In 2015, I performed numerous construction duties such as distributed management and wind map, especially wind animation on Google map via canvas, in Energy Envision, Shanghai. I also worked in China Research Lab, IBM, Beijing in 2014, where I programmed a web spider for collecting information.

As an ambitious and capable individual, I have gained expertise in almost every corner of the construction profession. I would appreciate the opportunity to join an esteemed and reputable construction firm such as yours.

Please have a look at my enclosed resume for detailed information of my work experience and education. Looking forward to discuss more in person.

Sincerely,

YAN PENG

Peng Yan

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CAREER OBJECTIVE

Seeking to apply my abilities to fill the role of hydraulic software engineer. Professional, capable, and motivated individual who consistently performs in challenging environments.

EXPERIENCES

Jacobs, Swindon, United Kingdom

Software Developer

March 2018 – August 2018

- ♦ Support the development of Flood Modeller.
- ♦ Implement code, test and debug.

TMSI, National University of Singapore, Singapore

Data Analyst

July 2017 - August 2017

- ♦ Load data into R, preprocess and visualize data.
- ♦ Rank and optimize results of simulation in MATLAB.

SIEMENS, Beijing, China

Human Resource Assistant

November 2015 - January 2016

- ♦ Collect and catalogue archives.
- ♦ Use SharePoint to store the digital archives.

Energy Envision, Shanghai, China

Web developer

July 2015 – August 2015

- ♦ Based on Java, get and decode the wind data, mainly wind speed and direction, from NDFD.
- ♦ Call Google Map API and draw wind animation on Google Map via canvas in JavaScript and HTML5.

China Research Laboratory, IBM, Beijing, China

Java Programmer

August 2014 – September 2014

- ♦ Gather and analyze open source relating to Web Spider.
- ♦ Program and test Web Spider in Java

EDUCATION

Warsaw University of Technology, Warsaw, Poland

Master of Hydro-informatics and Water Management

September 2017 – September 2018

- ♦ Groundwater Management and Optimization, Hydrogeology

Newcastle University, Newcastle, UK

Master of Hydro-informatics and Water Management

February 2017 – September 2018

- ♦ Computational Hydraulics, Modelling and Forecasting of Floods

Polytech Nice Sophia Antipolis, Nice, France

Master of Hydro-informatics and Water Management

September 2016 – September 2018

- ♦ Hydrology and Hydraulics, Hydroinformatic Systems Development

Beijing Institute of Technology, Beijing, China

Bachelor of Business Administration (Dual-degree)

September 2014 – June 2016

- ♦ Decision Making, Strategies Analysis

Beijing Institute of Technology, Beijing, China

Bachelor of Automation

September 2012 – June 2016

- ♦ Systems and Control, Signals and Systems, Mathematical Modelling

SKILLS

- ♦ R, Python, MATLAB, HEC-RAS, Arc-GIS, MIKE 21

严 鹏

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工作期望

充分利用水信息与水管理的知识和经验，从事水力软件研发或水文水利研究工作，包括洪水预测、水资源规划和地下水污染防控。

教育背景

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|-------------------------------------------------|-----------------------|
| 水信息学与水管理(硕士) 华沙理工大学, 波兰 | 2017 年 9 月-2018 年 9 月 |
| 地下水仿真模型, 水文地质学, 水管理及最优化设计 | |
| 水信息学与水管理(硕士) 纽卡斯尔大学, 英国 | 2017 年 2 月-2018 年 9 月 |
| 计算水力学, 洪水模拟及预测, 气候变化, 水信息系统 | |
| 水信息学与水管理(硕士) 尼斯索菲亚综合理工, 法国 | 2016 年 9 月-2018 年 9 月 |
| MATLAB, Java, 水文建模, 水力模拟, HEC-RAS, Arc-GIS | |
| 工商管理(双学位) 北京理工大学, 中国 | 2014 年 9 月-2016 年 6 月 |
| 市场管理, 应用统计学, 项目管理, 决策管理, 产品运营与管理 | |
| 自动化(本科) 北京理工大学, 中国 | 2012 年 9 月-2016 年 6 月 |
| 自动控制, 信息系统, 机器人控制, 数字模型, C 语言, MATLAB 仿真, 最优化方法 | |

工作经验

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|--------------------------------------------------------------|------------------------|
| 软件开发 Jacobs, 英国 | 2018 年 3 月-2018 年 8 月 |
| 洪水模拟软件开发以及测试, 数据分析 | |
| 数据分析 新加坡国立大学, 新加坡 | 2017 年 7 月-2017 年 8 月 |
| 使用 R 语言对谷物产量, 气候等参数进行分析, 并对数据进行可视化处理 | |
| HR 助理 西门子, 北京 | 2015 年 11 月-2016 年 1 月 |
| 基于 SharePoint, 收集、分类、存储员工档案信息 | |
| 前端开发 远景能源, 上海 | 2015 年 7 月-2015 年 8 月 |
| 使用 Java 解析气象数据, 调用 Google 地图 API, 利用 JavaScript 在网页上绘制风力及风向图 | |
| 后端开发 IBM, 北京 | 2014 年 8 月-2014 年 9 月 |
| 使用 Java 搭建爬虫平台, 收集特定信息 | |

技能专长

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| • 英语, 法语 | • 数据分析处理 |
| • R, MATLAB, Python, HEC-RAS, Arc-GIS | • 水文水力模型 |