HAO YAN

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EDUCATION

Dual BA Program Between Columbia University and Sciences Po

Columbia University, New York, NY

Bachelor of Art, Information Science, Minor in Linguistics, GPA 3.55   Expected May 2017
Coursework: Advanced Programming (C/C++), Honors Intro to Computer Science, Intro to Databases, Artificial Intelligence, Data Structures in Java, Intro to Computer Science (Java), Intro to Statistics, Intro to Probability, Introduction to Statistical Inference, Linear Algebra, Intro to Linguistics, Phonetics and Phonology

Institut d'études politiques de Paris (Sciences Po), Campus du Havre, Le Havre, France

Bachelor of Art, Political Science   Expected May 2017
Coursework: Banking and Finance, Econometrics, Microeconomics, Macroeconomics, Public International Law, Private International Law, European Union Law, Political Institutions, Polical Science, Geopolitics, Comparative History of the 19th and 20th Century

EXPERIENCE

Quest Partners LLC

Quest Partners LLC is a research driven CTA (Commodity Trading Advisor) founded in 2001 and based in Manhattan with $630 million under management.

Quantitative Developer Intern   August 2016 – September 2016

- Developed the back end and front end of a web application which displayed in real time profit and loss for various fund strategies. The back end was developed using python and the front end using Node.js and AngularJS (specifically the ag-Grid grid implementation). Communication between front and back end was achieved using ZMQ and Google Protocol Buffers.
- Developed a mobile version of the same application.
- Implemented Python functions which built and output results of MongoDB queries (aggregation pipeline).
- Created Excel macros using VBA to read data from a SQL server.

Unifi Textiles (Suzhou) Co., Ltd.

Accounting Intern   July 2012 – August 2012

- Input invoices into AP module and match cash receipts against invoices in AR module of the ERP system; created GL entries; filed invoices and daily banking documents

ACTIVITIES

DevFest   September 2016 - present

- Weekly meetings for collaboration on various programming projects and game development using Unity and GameMaker

International Moot Court   September 2014 – May 2015

- Participated in International Moot Court trials regarding the Outer Space Treaty and law of international spaces

Suzhou Volunteer League

Group Leader   June 2010 – June 2013

- Trained and initiated new members
- Led groups of volunteers in conducting weekly activities at the train station/retirement home etc.

Toastmasters Speech Club

Founder & President   September 2011 – May 2013

- Founded a speech club at Suzhou High School based on the model of Toastmasters International, a non-profit organization aimed at helping members improve public speaking skills
- Organized a school-wide speech competition and found outside sponsorship for prizes

SKILLS

Language Skills

- English (native), Mandarin (native), Cantonese (fluent), French (fluent)

Computing Skills

- Java, Python, SQL, MongoDB, JavaScript, Node.js, AngularJS, HTML, C/C++(currently taking courses), Unix, Git

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Promantus

Dear Sir or Madam,

I learned about this full time job opportunity through the Columbia University Center for Career Education website. I am applying for the position of Software Engineer. This cover letter aims to show how my skills and ambitions fit the position described.

I am currently an Information Science major at Columbia University and I consider myself to have an ample amount of coding experience, both in the classroom and in a professional environment. During my internship as a Quantitative Developer this past Summer at Quest Partners LLC, I worked on numerous projects which used a range of different technologies. The biggest project involved developing a full stack web application which displayed in real-time the profit and loss of various fund strategies. This involved a Python, MongoDB back end and a Node.js, AngularJS front end. Although I had no knowledge of most of these technologies coming into the internship, I was able to teach myself by reading the documentation and completed the project in a timely manner and to high standards. At school I have worked on several team projects which could easily be applied to the real world. For example, for my databases class, we created from scratch a PostgreSQL database and populated it with data found online. We then developed a web application which accessed the information stored in the database, performing filters, aggregations, and sorts using a graphical user interface. In my AI class, one of my projects involved developing an AI solver for the popular game 2048. This included utilization of several heuristics and tree search algorithms.

I consider myself very adaptive to new environments and a quick learner. Before my internship, I only knew Java as it was the language my computer science classes at Columbia were taught in. I learned Python in under a month and also have a comfortable grip in JavaScript after my experience of working with Node.js and AngularJS. Over the past years I have attended nine school in six cities and four countries. Each time I have been able to quickly adapt and achieve highly. After merely two years in France, I have attained a conversational level of French. Having participated in various speech competitions and Model United Nations during high school, I am also a strong verbal communicator.

Thank you for taking into consideration my resume and cover letter and I look forward for a possible opportunity for an interview in the future.

Sincerely yours,

Hao Yan