

Jeffrey S Chao

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Summary: I am a third year student at UIUC seeking an internship to broaden my software engineering and data science skills. I enjoy seeking quantifiable, data-driven answers to challenging questions.

Education

University of Illinois at Urbana-Champaign (GPA: 3.71)

B.S. in Computer Science and Statistics (May 2019)

Relevant Coursework: Advanced Data Science, Data Structures, System Programming, Data Mining (current), Programming Studio (current)

Technical Skills

Fluent with: Python, Java, C++, Linux/UNIX environment

Proficient with: C#, C, JavaScript, HTML/CSS, iPython+Jupyter

Work Experience

Data Science Intern

DreamHire.io

June 2017– Aug 2017
Sunnyvale, CA

- Used the machine-learning technique **topic modelling** (LDA - Latent Dirichlet Allocation) to match employer job descriptions to the topics contained in a user's resume. Using LDA improved job match accuracy from 67% to over 80%.
- Developed an **automated resume parser** written in **C#**. When a user uploads their PDF resume, the parser detects similar forms in the web profile and adds the respective information from the resume to the web profile.

Software Engineering Intern

Optum, a UnitedHealth Group Company

June 2016 – Aug 2016
Schaumburg, IL

- Worked with other interns to create a **predictive analytics** healthcare application using large datasets. The application predicts a sample individual's future health based on health trends and similar history in that geographic locations using **Python** and the **Optum Big Data Platform**.
- Created and prepared articles for the HITRUST Common Security Framework health technology audit using data extracted from **SQL**, promptly answering and forwarding questions from PwC audit partners.

Software Development Intern

PR3 Systems

May 2014 – July 2014
Aurora, IL

- Used **Java's SQL Library** along with IBM's **InfoSphere** software to restructure multiple databases containing client data. Restructuring was done to standardize data schemas into a clearer format.

Cofounder

Codefastr

June 2013 – Aug 2013
Naperville, IL

- Partnered with two peers to create a community-driven website for searching verified boilerplate code to assist in optimizing the software development process.
 - Used the **Node.js** and **MongoDB** stack to create the site's functionality.
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Campus Involvement

- Co-Web Chair for Reflections|Projections conference (2016)
 - Contributor at the Association for Data Science and Analytics at UIUC (2016-2017)
 - Member of Association for Computing Machinery UIUC Student Chapter (2015-2017)
 - Member of Champaign County's Medical Reserve Corps (2015-2017)
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Awards and Honors

First in State – Unlimited Division, Team Combined Competition (2014 and 2015)

Worldwide Youth in Science and Engineering, University of Illinois at Urbana-Champaign

Fourth in State – Computer Science Individual Competition (2015)

Worldwide Youth in Science and Engineering, University of Illinois at Urbana-Champaign