

Guanming (Kevin) Chen

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Objectives: Seeking for A Full-time Software Development Position Starting Summer 2023

Education

Georgia Institute of Technology, Atlanta, GA

Aug 2021 - May 2023 (Expected)

- Master of Science in Computational Science and Engineering (GPA: 4.0 / 4.0)
- Courses: Data Structures & Algorithms, Prototyping Interactive Systems, Intro to Database, Data Analysis, etc.

Civil Aviation University of China, Tianjin, China

Sep 2015 - Jul 2019

- Bachelor's Degree of Engineering (GPA: 3.63 / 4.0)
- Scholarship & Award: Academic Scholarships in 4 consecutive years; Innovation & Entrepreneurship Individual Award

University of California in Los Angeles, Los Angeles, CA

2019 Summer

- 2019 UCLA Summer Program in Samueli School of Engineering

Knowledge and Skills

- **Knowledge:** Object-Oriented Programming, Data Structure & Algorithm, Web App Dev, Software Engineering, Agile
- **Programming Languages:** Java, Python, SQL, C, C#, HTML / CSS, JavaScript
- **Web Frameworks & Databases:** Node.js / Express.js, Flask, React.js, MySQL, MongoDB, SQL Server
- **Cloud Platforms & Tools:** AWS, GCP, Git, Visual Studio, Azure DevOps, JIRA, Tableau BI

Work Experiences

Software Engineering COOP in Abarca Health FL, LLC., Florida

Aug 2022 - Now

- **Build and maintain RESTful APIs** under the 4-layer clean architecture using C# to serve multiple clients
- **Migrate old API architectures** to REST, **improve transactions into new API workflow** with .NET framework
- Update entities in databases, create objects and modules through C# and SQL programming for data recording
- Integrate solutions and **refine webservice**s (features, modules, etc.), deploy and test solutions to assure quality

Application Developer Intern in Cisco Systems, Inc.

Dec 2020 - Jun 2021

- Implemented automatic monitoring application in Python from over 1,000,000 data points and 20+ quality dimensions
- Committed to application solutions design and workflow improvement, the total bugs number was decreased by 20% per release and the rate of on-time feature delivery was improved by 30%
- Maintained the application on Linux for 4 months; analyzed real-time feature quality using JavaScript and SQL

Project Experiences

Full-stack Enterprise Online Data Management Platform | AWS, React.js, Node.js, HTML

Jan 2022 - May 2022

- Pre-processed over 500,000 meta datapoints with 25+ dimensions using PySpark on AWS platform
- Established backend server and user authentication modules utilizing Node.js and Express.js
- Optimized frontend services through React.js, conducted interaction interface via HTML / CSS

Online Search & Recommendation Engine | GCP, JavaScript, Flask, MongoDB

Feb 2022 - Jun 2022

- Processed and cleaned data from 100, 000+ raw datapoints with 15+ dimensions on GCP platform
- Created web APIs via Flask framework, built MongoDB and SQL databases for backend connection
- Programmed frontend services by JavaScript, visualized user interaction interface utilizing D3.js

Leadership

Vice President of the Student Organization, Enactus in CAUC

May 2018 - May 2019

- Managed overall project operations, contributed to 3 non-profit projects to improve community living quality
- Led team to provide demand research and data-analysis-based non-profit support with community services and hospitals