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, Machine Learning

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, .NET, React.js, MySQL, MongoDB, SQL Server
- **Cloud Platforms & Tools:** AWS, GCP, Git, Visual Studio, Azure DevOps, JIRA, Tableau

Work Experiences

Software Engineering COOP in Abarca Health FL, LLC., Florida   *Aug 2022 - Now*

- Optimize webservice under the 4-layer clean architecture, **migrate API architectures** from SOAP to REST'
- **Improve transactions** into new webservices workflow using C# integrated with .NET framework
- Update entities in databases, create objects and modules through C# and SQL programming for data recording
- Integrate solutions and **refine webservices** (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
- Contributed to application solution 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%
- Deployed and maintained the application on Linux; 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*

- Cleaned and pre-processed over 500,000 meta data with 25+ dimensions using PySpark on AWS platform
- Established user authentication flow, completed backend connection utilizing Node.js / Express.js frameworks
- Conducted frontend service through React.js, improved interaction interface via HTML / CSS

Online Search & Recommendation Engine | GCP, JavaScript, Flask, MongoDB   *Feb 2022 - Jun 2022*

- Performed data processing and dimension reduction of 100,000+ raw data with 15+ dimensions on Google cloud
- Built MongoDB database, connected backend service and developed restful APIs via Flask web framework
- Programmed frontend development by JavaScript, visualized user interaction utilizing D3.js

Leadership

Vice President of the Student Organization, Enactus in CAUC   *May 2018 - May 2019*

- Managed overall project operations, committed 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