Ivan Kok

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Website: https://ivan-kok.com   **GitHub**: https://github.com/IvanJK97

Education

Lehigh University - Bethlehem, PA   *Graduated May 2020*
B.S. in Computer Science & Business, a specialized degree accredited in both Computer Science & Business
GPA: 3.77
Relevant Courses: Data Structures, Linear Methods, Programming Languages, Database Systems, Web Systems Programming, Software Engineering, Advanced Algorithms, Data Science, and Blockchain Systems

Experiences

Bentley Systems, Associate Software Engineer - Remote   *July 2020 – Present*
- Added download update flow for ProjectWise Drive app with corresponding UI and determine app's state by comparing app's version with version info from LaunchDarkly's real-time feature flags
- Created a unit converter given a list of units with dimensions relative to their base units and could convert between one unit to another

Bentley Systems, Software Engineer Intern - Philadelphia, PA   *May – August 2019*
- Prototyped and selected an open-source file watcher in the first step of syncing files between local computers and servers (like OneDrive)
- Parsed file-watching service's output to determine what logical file operations have taken place into a file state and file history within the Node.js, React, and Electron tech stack

Dolomite, Front-End Developer - Bethlehem, PA   *July - December 2018*
- Built the support website in React, which contains product information, FAQs, and terms of service
- Contributed to Slate site, the portal to access the data behind Dolomite's portfolio management tools, and integrated Firebase authentication and Google sign-in provider

Skills

Computer Science: JavaScript, TypeScript, React, Python
Languages: Fluent Mandarin, Fluent Cantonese

Projects

Tic-Tac-Toe Game - https://tic-tac-toe-ivan.herokuapp.com/
- Created a two player Tic-Tac-Toe game with NodeJS Express server and HTML/JS/CSS frontend
- Used Socket.IO for event-based communication between server and client

Burger Builder Web App - https://react-burger-builder-72213.web.app/
- Followed Udemy course to create Burger Builder project that allows users to sign in as well as customize and order their burgers
- Learned fundamentals of React, Redux, and Firebase authentication and real-time database

Sudoku Solver - https://master.d6ndt50ggxcjt.amplifyapp.com/
- Created valid Sudoku board that's partially populated with random numbers
- Sudoku Solver utilizes a backtracking algorithm to try every number on cells not populated and backtracks when it finds a violation in Sudoku rules