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William Su

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Education

Houston, TX	Rice University	Aug. 2017 - Dec. 2020

- B.S in Computer Science, GPA: 3.79/4.00
- Coursework: Object-oriented Design, Operating Systems, Algorithms, Computing Ethics
- Academic Fellow, VP for Taiwanese Association, Student Advisor

Experiences

Software Engineer Intern	Tableau Software, Salesforce	May 2020 - Aug 2020

Task Scheduler
- Designing and implementing a new feature for Tableau Server users to schedule tasks to run regularly.
- Building a REST API to support CLI / web-UI of this feature. Java, Spring.

Head Teaching Assistant	Rice University	Jan. 2020 - May 2020

- Hosted weekly office hours to tutor students in the course Principles in Parallel Programming
- Arranged weekly lab sessions for students and supervised five other TAs.

Software Engineer Intern	Expero Inc.	May 2019 - Aug 2019

ML on the Edge - Detecting Malware
- Trained neural network to achieve 80% accuracy in detecting malware. Python, Keras.
- Designed test suites to validate neural network's accuracy & speed when injected on an FPGA board. C.
- Streamlined data pipeline across multiple AWS services. Apache Nifi.

iOS App Developer	Rice Apps	Aug 2018 - May 2019

Hedwig
- Developed 2 food delivery apps for vendors and students at Rice University to use. React Native.
- Implemented state-management and notification systems on the front-end. MobX, GraphQL, TypeScript.
- Improved vendor's inventory system by integrating Stripe to the app.

Data Science Intern	Lam Research Corporation	Jul. 2018 - Aug 2018

- Automated business department's daily data ETL. Reduced work time up to 2 hours a day. Python.
- Redesigned data pipeline by introducing temporary databases. mySQL, SQLite.
- Generated recurring sales data visualizations. Matplotlib, NumPy, Qlik.

Projects

- **MyDB** (2020) Database with file & buffer management, SQL query, and optimization features. C++
- **Kernel** (2020). Manages multiple processes, resource allocation, input & output of a Yalnix OS. C
- **ChatApp** (2019). Messaging program, flexibility to send any custom data. Uses MVC architecture. Java
- **Stock Predictor** (2019). Analyzes real-time news articles' text sentiment to predict stock prices. Python.
- **Book Recommender** (2018) Research on best ML system to recommend books. Python, Keras, AWS.

Skills

- **Coding:** Python, Java, C/C++, SQL, HTML/CSS/Javascript.
- **Tools:** AWS, NumPy, Git, Spring, Docker, GraphQL.
- **Interests:** Coffee, Basketball, Yoga, Photography.