Skye Im *(Kangbin)*

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Education

New York University Shanghai   2015 – 2019
B.A. Computer Science (GPA 3.5)

Key Experiences

- **Full stack development:** Built a class scheduling SPA drawing data from NYU's course catalogue with 500 unique users per semester.
- **Cloud-native applications:** Developed a scalable, service-based image hosting web application deployed onto Google Kubernetes Engine.
- **Distributed computing:** Architected a distributed, threaded password cracker using POSIX concurrency primitives.

Skills

Languages: C, C++, C#, GLSL, Java, Javascript/Typescript, Python, Rust.
Libs/tools: AWS S3, d3.js, Docker, Django, Flask, Hugo, Kubernetes, PostgreSQL, RabbitMQ, React, Redis, Stella, Unity.

Work Experience

Research Intern – NYU Future Reality Lab   May 2018 – July 2018
    Simulated life: *boids, agent-based simulations, crowd simulations*

Research Assistant – NYU Shanghai   August 2017 – November 2017
    Web technologies: *Google Puppeteer, Chrome extensions, Selenium, React, Electron, d3*

Student Developer (Full Stack) – NYU Shanghai Student Life   August 2015 – June 2016
    Team of 3 developers: *Lobby display pulling data from OrgSync API, jQuery frontend*

Projects   (More details at portfolio.skye.im)

Image Scrapbook   December 2018
    Proof-of-concept, cloud native, scalable image hosting site
- Tools used: AWS S3, Docker, Django, Kubernetes, Postgres
- Demonstrated: Cloud-native, containerized, services, rapid prototyping

Jeeves Course Scheduler   November 2015 to present
    Open source college class planner. Still maintained, 500 users per semester.
- Tools used: d3.js, Python, Selenium, Typescript
- Demonstrated: Single page application with data stored as JSON, SVG-based UI