

# Joey Jiemjitpolchai

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|-------------------------|--|---|
| <b>Education</b>        | <i>Stony Brook University</i><br>B.S. in Computer Science<br>GPA: 3.47/4.0   | Expected graduation December 2020   |
| <b>Work Experience</b>  | <b>Facebook</b> , Menlo Park, California<br><i>Software Engineer Intern, Open source contributor</i><br>● Expanded Magma software's eNodeB integration test system (Testcontroller) to support remote traffic tests and config alterations<br>● Implemented and deployed an extendable CLI that scans for wifi and sends traffic to an eNodeB<br>● Triggered the CLI to run whenever Testcontroller alters eNodeB configurations to verify systemic results<br>● Prevented regressive Magma packages from being deployed to production which reduced production failures<br><b>Bloomberg L.P.</b> , Manhattan, New York<br><i>Software Engineer Intern</i><br>● Designed a Python distributed tracing reader service to trace lost messages in transaction pipelines<br>● Collaborated with database engineers to provision a database instance<br>● Integrated service and database through ORM SQLAlchemy which allows database to be easily swappable<br>● Implemented UI table pagination, message hierarchy view, and data visualization for life span of messages<br>● Optimized reader service and database schema to handle load of 100m~200m messages per day<br>● Designed and documented client APIs that are used to connect to the distributed tracing pipeline<br><i>Software Engineer Intern</i><br>● Implemented Clang library to create a C++ linter that reduces compiler warnings caused by source files<br>● Manipulated nodes in an abstract syntax tree which allowed Clang to write changes to source files<br>● Deployed Bash scripts to automatically run linter when a pull request was made<br>● Refactored 647 lines of code and used by multiple teams throughout Bloomberg Engineering<br><i>Software Engineer Intern</i><br>● Performed full stack development with Ruby on Rails to create two web forms<br>● Built UI and database functionality to each form<br>● Wrote metadata conversions to make forms backwards compatible with legacy code<br>● Used by 325,000 Bloomberg Law clients globally | May 2020 – August 2020<br>June 2019 – August 2019<br>June 2018 – August 2018<br>July 2017 – August 2017 |
| <b>Extracurriculars</b> | <b>Teaching Assistant at Stony Brook University</b><br>● Conducted lab and recitation sections for Introduction to Computer Science: Honors (CSE 160) and Data Structures: Honors (CSE 260)<br><b>Professional Chair for Theta Tau</b><br>● Led a public speaking workshop that enabled students to practice presentation skills in a low risk environment<br>● Led and organized weekly technical interview workshops to help students achieve internships<br><b>Volunteer for Bloomberg Philanthropies</b><br>● Installed dry walls for disaster stricken housing with Habitat for Humanity<br>● Mentored 8 female middle school students to build a coupon book app for TYLS Tech Explorers Hackathon<br>● Collaborated with Meals On Wheels to pack meals for the elderly<br>● Built bicycles from scratch in partnership with BikeNYC for over 300 NYC students   | January 2019 – December 2019<br>January 2019 – December 2019<br>July 2019<br>July 2018<br>July 2017     |
| <b>Projects</b>         | <b>College4Me</b><br><i>Project manager, Backend developer</i><br>● Managed and contributed to a web app in a team of four that assists students with their college selection<br>● Applied scrum methodology to actively manage software development<br>● Integrated front end layer with backend and database APIs<br><b>smaSH</b><br>● A Bash clone that leverages low-level Unix/POSIX system calls for job control, file access, and IPC<br>● Supports job control by letting processes shift from running in foreground/background and receive signals<br>● Supports non-interactive run time<br><b>LKMemory management library</b>   | March 2020- May 2020<br>April 2020<br>March 2020  |
| <b>Technical Skills</b> | Proficient in Java, C, Python, Git<br>Familiar in Node.js, Express.js, JavaScript, Sequelize, MySQL, MongoDB, Mongoose, HTML, CSS  |   |