

ROHAN KINGAN



Senior engineer at General Dynamics Electric Boat with experience in system design, cybersecurity design, documentation, and networking. I have a passion for system level architecture that is elegant, extensible, and maintainable.

“What I cannot create, I do not understand.” — Richard P. Feynman

<http://kingan.me>

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Work Experience

Senior Systems Engineer

(January 2018 – Present)

General Dynamics Electric Boat – New London, CT

- Updated ship subsystem specification to include COLUMBIA and VIRGINIA Block V Payload Module functionality.
- Responsible for flow-down of system level requirements to hardware, software, and test teams.
- Led hardware, software, and arrangement efforts to upgrade weapons platform touch panels to HD hardware variants.
- Developed static web application and documentation for generating tailored deliverables from requirement database exports.
- Provided engineering data package to designers to create/modify system-level technical drawings.
- Collaborated with engineers on next generation fiber inter/intra-subsystem weapons network topology.
- Evaluated Submarine Warfare Federated Tactical Systems feature requests for scope, feasibility, schedule impact, and scope.
- Integrated new cybersecurity features and requirements to subsystem TI/APB baseline.
- Conducted cybersecurity scans on baseline (fleet-deployed) configurations.

Software Engineer Intern

(May 2015 – September 2015)

UpChannel – Newark, NJ

- Developed back-end API (NodeJS / MongoDB) to process user interactions through mobile applications.
- Created systems to benchmark cross-platform application performance (Apache Cordova stack) across various Android and iOS devices.

3D Printer Technician

(May 2017 – December 2017)

iCREATE Maker Spaces – Stony Brook, NY

- Assembled and tested new 3D printers.
- Cataloged and maintained all 3D printing equipment and consumables.
- Taught introductory CAD to 3D print course.
- Developed internal and external usage/maintenance documentation for various 3D printer modules (both for staff and student use).
- Held biweekly (2x / wk) self-service 3D printing trainings for general members.
- Processed prints from staff and students through high volume 3D print queue for entire university.

College and High School Tutor

(May 2013 – May 2017)

Varsity Tutors – Stony Brook, NY and Tenafly, NJ

Math and science tutor for students of all ages (kindergarten through college), both online (Varsity Tutors online platform) and in-person.

Meet & Greet Coordinator

(May 2013 – September 2016)

Ardmore Language Schools – New York, NY

- Guided foreign language students through airports and coordinated their transportation to Ardmore Language School campuses.

Miscellaneous

- U.S. DoD Clearance Level – Secret
- Theta Tau – Professional Engineering Fraternity
- Eagle Rank

Skills

Soft

- Adaptable, quick learner
- Can create clear, testable requirements
- Can write clear, concise documentation
- Agile development
- Strong multi-tasking
- Able to interface with customers
- Ownership mentality
- Strong mentor

Technical

- Python/C/C++
- NodeJS
- HTML5/CSS/JavaScript
- MongoDB
- Microsoft Office
- Linux/Unix
- Bash/PowerShell/Batch
- IBM Rational DOORS

Education

B.S. – Technological Systems Management

Graduated 2017 – Specialization in Electrical Engineering

Stony Brook University – Stony Brook, NY