

# NAPASSORN LERDSUDWICHAI

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Experienced Software engineer with strong software development skills. Detailed oriented, knowledgeable of the full technology stack, and driven to meeting or exceeding expectations. Effective problem-solving abilities. Self-motivating and efficiently meets scheduled product release deadlines.

## TECHNICAL SKILLS

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Main Languages:	Java, C++
Secondary Languages:	Python, C, JavaScript, HTML/CSS, MATLAB
Operating Systems:	Linux, Fedora, RHEL, Windows, Mac OS
Software:	IntelliJ, Visual Studio, Restful API, PostgreSQL, SQLite, SQL, GRPC, QT, Jenkins, Jira, Git, Reviewboard

## PROFESSIONAL & RELATED EXPERIENCE

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### Hitachi Vantara LLC

Waltham, MA

Software Development Engineer

Aug 2019 – Present

- Design, develop, and test new features for file-sync-and-share software for hybrid cloud storage platform, Hitachi Content Platform Anywhere.
- Maintain functionality of Java web server (running on Postgres database) and Windows/Mac/Linux desktop client applications and service.
- Architect and integrate Microsoft Office 365 cloud services with web application (Microsoft Office for the web using WOPI REST APIs, Microsoft Teams).
- Implement Linux data sharing service using FUSE, C++, C, SQLite, REST APIs, and gRPC.
- Delivered technical and software maintenance support for sustaining engineering team.

Software Engineer in Test

Jun 2018 – Aug 2019

- Streamlined software qualification via writing and deploying automation tests with Java, JUnit, and Grinder Automated Test Framework.

### Boston University, Computational Imaging System Lab

Boston, MA

Research Assistant

May 2017 – Dec 2017

- Designed graphical user interface for graduate research in computational microscopy.
- Translated mathematical image inspection, image manipulation, and 3D reconstruction algorithms (Fourier transform, differential phase contrast, digital refocusing, and 2D deconvolution) into MATLAB code to enhance nanoparticle visualization and quantification.

## EDUCATION

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### Boston University, College of Engineering

Boston, MA

Bachelor of Science, Biomedical Engineering & Computer Engineering

May 2018

GPA: 3.95/4.00, Summa Cum Laude

### Undergraduate Capstone Project

Larnx: Stereoscopic Video Processing Software for Dysphagia

Sept 2017 – Apr 2018

- Created software program to aid doctors in diagnosing and monitoring dysphagia (swallowing difficulties) with a team of two engineering students.
- Implemented code to detect, track, and estimate food residue volume and surface area from endoscopic throat videos by integrating computer vision and color-based segmentation models from OpenCV libraries.
- Produced desktop application prototype using C++, JavaScript, HTML, and CSS.