NATASHA
PETRUS

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EDUCATION

September 2015 - June 2017
Seattle University – **Seattle, WA**
Bachelor of Science in Electrical Engineering
Summa Cum Laude
GPA: 3.99 / 4.00
- Messina Merit Scholarship
- IEEE-HKN Mu Iota Chapter
  Web Correspondent
- Alpha Sigma Nu Jesuit Honor Society
  Top 4% of Senior Class
- Tau Beta Pi Engineering Honor Society
- Tau Sigma National Honor Society
- President's and Dean's Lists
  September 2015 - June 2017

September 2013 - June 2015
North Seattle College – **Seattle, WA**
Associate of Science Degree

COMPETENCIES

LANG

English	●	●	●	●	●
Indonesian	●	●	●	●	●
French	●	●	●	○	○
Chinese	●	○	○	○	○

C#, HTML + CSS, JavaScript (jQuery, Typescript, ReactJS, React Native, Knockout, AngularJS), SQL, LaTeX, MATLAB, C, C++, Python, Java + Scala, PHP, VHDL, MIPS Assembly Language

SKILL
- Full-stack web & mobile apps design and development
- PCB design and soldering
- Custom IC layout design
- FPGA programming and testing
- Strong organizational, analytical, interpersonal, presentation, & technical writing skills
- Experienced in graphic design

TECH
Visual Studio, Visual Studio Code, IntelliJ IDEA, Git/GitHub/GitLab, SQL/RDBMS (MySQL, PostgreSQL), NoSQL (MongoDB, Redis), Jenkins, RabbitMQ, Docker, AWS (OpsWorks, Elasticsearch, ElastiCache) CircleCI, Expo, MS Office, NI Multisim, NI Ultiboard, AutoCAD, Solidworks

RELEVANT EXPERIENCE

September 2019 - Present
Software Engineer for Kit.com
Responsible for infrastructure migration, maintaining existing functionality, as well as implementing new features following Geniuslink's acquisition of Kit.com.

October 2017 - Present
Software Engineer at Geniuslink
- Has increased the number of automated integration tests against the company's web applications by more than 3000% thus far
- Allowed all integration tests to be run against any environment easily through Jenkins & greatly assisted in making Canary testing possible
- Designed and developed Geniuslink's REST API v3
- Designed and programmed the preliminary version of the company's mobile application using React Native
- Frontend/backend work using C#, Typescript/JS, jQuery, & Knockout

September - October 2017
Game Tester at HCL Technologies/Microsoft
Worked within HCL Technologies' CERT lab, partnering with Microsoft, to certify pre-released Xbox games were up to specified software and platform standards.

September 2016 - June 2017   [patent pending]
Interdisciplinary Project: T-Mobile Compact Robotic System
Refined handset validation testing for T-Mobile via robotic implementation; reduced manufacturing cost by at least 50%, reduced physical size by at least 60%, and improved power efficiency.
- Designed and manufactured two working prototypes within a year using SolidWorks (3D modeling)
- Programmed in C++, used OpenCV and LabView for image processing

March - June 2017
VLSI Project: ALU Integrated Circuit Design
Designed the 3D layout of an ALU chip from transistor level using Electric VLSI.

January - March 2017
Independent Study: 13.56MHz RFID on Ettus N210 SDR
Implemented the ISO 18000 13.56 MHz RFID standard on software defined radios with LFRX and LFTX daughterboards.

July - August 2016
Electrical Engineering Intern at PT Aneka Elektrindo Panel
Designed and built circuit panels based on client's specifications using AutoCAD.

October 2015 - June 2016
Internship: IT Manager at Global Visionaries
- Set up an online auction and created a donation page to support the educational needs of underprivileged youth
- Provided network security strategies and conducted staff training

January - March 2016
MATLAB Teaching Assistant at Seattle University
- Provided in-class help and out-of-class tutoring sessions
- Graded weekly projects and assignments