NOAH LOZEVSKI

Software Engineer

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TECHNICAL SKILLS

- Statistical Pattern Recognition
- Probabilistic Graphical Modeling
- Detection & Estimation Theory
- Neural Networks
- Convex Optimization
- Stochastic Processes
- Linear Algebra

FRONTEND

Skill	Experience
Vanilla JS	5 yr
Vue.js	4 yr
React	2+ yr
Angular	2 yr
Pug/Jade	3 yr
SCSS/SASS	5 yr

BACKEND

Skill	Experience
Node.js	5 yr
Java	3 yr
Python	4 yr
SQL/NoSQL	5 yr
Ruby	2 yr
PHP	4 yr

EXPERIENCE

Summer 2020 — **Amazon Web Services (AWS)** — *Software Development Engineer Intern*
— Worked on full stack financial forecasting team focused on automating P&L statements
— Developed a new Java backend API and serverless workflow automation service that decreased lead time of P&L statements by 80%
— Designed and implemented a frontend UI in Vue.js to trigger the new backend API calls

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Java / Vue.js / AWS Lambda / AWS CloudFormation
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2015 – Present — **Upwork / Intellex Software Solutions** — *Software Engineer*
— Developed personalized software solutions for over 100+ satisfied customers, ranging from attorney database management to full stack website design / hosting
— Maintain 8 regular client accounts for on-demand service
— Worked on projects independently as a freelancer or as a contract employee for small startups in agile / scrum based environments

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Python / Java / Vue.js / React / Node.js / PHP / Google Cloud (GCP)
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2019 – 2021 — **La Parlay / Luxury Concierge / Supreme Rentals** — *Import/Export Specialist*
— Founded/Manage 3 companies used for international business transactions involving luxury cars
— Brokered 25+ deals between international clientele and domestic dealerships, arranging logistics and filing legal paperwork for escrow accounts
— Credited with $1+ million in revenue in first year

2018 – 2019 — **LaLush Laboratory** — *Lab Assistant*
— Assisted in the development of AI-optimized image scanning for cancer and radioactive tracer quantification/identification
— Machine learning implementation of multimodal quantitative imaging analysis from PET-MRI scans to lower radiotracer dosage to patients by 50%

PROJECTS

2019 – 2021 — **Electrocauterizing Biopsy Device** — *Lead Designer/Engineer*
— Leading a team of 4 engineers to develop an all-in-one solution that reduces minor organ biopsy complication rate by 50% in over 400,000 patients annually
— Awarded 1st place at two i4 design competitions earning $12,500
— Currently in process of securing IP with provisional patent application

2016 – 2020 — **Autonomous Electric Scooter Driving System**
— Developed a mobile application that uses object detection and physics engines for collision avoidance on electric scooters, improving safety of all users
— Built on the YOLOv3 Convolution Neural Network (CNN) object detection algorithm for real-time speed (≥ 43 fps) and desktop-grade accuracy (80 class ID's)
— Utilized Apple's Core Bluetooth framework for phone $\rightleftharpoons$ scooter communication

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Swift / PyTorch / OpenCV / ONNX / CoreML
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EDUCATION

2016 – 2020 — **NC State University / UNC Chapel Hill** — *4.0/4.0 GPA*
M.S. in Electrical Engineering
B.S. in Biomedical and Health Services Engineering