







# 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

Vue.js   
React   
AngularJS   
Bootstrap   
Pug/Jade   
SASS/SCSS 

### BACKEND

Node.js   
Java   
Python   
C/C++   
Ruby/Rails   
AWS Suite 

### 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  
Java / Vue.js / AWS Lambda / AWS CloudFormation
- 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  
Python / Java / Vue.js / React / Node.js / PHP / Google Cloud (GCP)
- 2019 – Present **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 – Present **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 1<sup>st</sup> 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 ( $\geq 43$  fps) and desktop-grade accuracy (80 class ID's)  
— Utilized Apple's Core Bluetooth framework for phone  $\rightleftharpoons$  scooter communication  
Swift / PyTorch / OpenCV / ONNX / CoreML

### 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*