SWAROOP AKKINENI

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EDUCATION & CERTIFICATES

University of Pittsburgh *4/2017*
Bachelor of Science (BS) in Computer Engineering

TECHNICAL STRENGTHS

Computer Languages Java, Javascript, Node,js, Python, C#, C++
Frameworks & Tools Vue.js, React-Native, Spring, Redux, Sass, Pub/Sub, Kubernetes, GCP

EXPERIENCE

Abridge.Ai 2/2018 - Present
Full-Stack Software Engineer

· Working on applications which records, transcribes, and summarizes physician/patient conversations
· Developing a frontend UI using Vue.js for web, React-native for mobile, and D3.js for animations
· Building a Java+Spring backend service that handles the creation and processing of patient information, including audio data, which is stored in a MySQL table and hosted in a Kubernetes cluster
· Utilizing Pub/Sub messaging for communication between various services, including creating pipelines for data to be sent and processed by our machine learning models

UPMC Enterprises - EmpowerMD Team 6/2017 - 2/2018
Software Engineer

· Utilizing Xbox Kinects and a lapel microphone, created a C# application that recorded high fidelity audio recordings of physician's encounters with patients
· Built a chatbot, in Angular, which is sent to patients to determine the type and urgency of a visit with a physician

Hacking for Defense - Modern Day Minutemen 12/2016 - 7/2017
Sponsor: U.S. Army Cyber - 1st I/O Command

· Worked in a 4 man team to determine a new methodology by which the Army Cyber can collaborate with cyber-security experts
· Presented findings at the 2017 Military Operations Research Society Conference and to the Commanding General of Army Cyber

University of Pittsburgh 11/2015 - 12/2016
Undergraduate Researcher/Summer Research Fellow

· Designed an IOS App that enabled a quantitative approach to assessing motor symptoms for patients, with Parkinsons Disease, undergoing Deep Brain Stimulation Treatment
· Akkineni, S., Wozny, T., et al. (2016). "SpiWave: Automated Spiral Evaluation for Parkinsonian Patients Using W avelets.

Intel Cornell Cup Finalist, Honorable Mention 6/2016
Team Vispi

· Worked in a team to develop an autonomous aerial system capable of avoiding obstacles and determining optimal delivery location