

Brandon Micale Kelley

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Work Experience

Microsoft, Software Design Engineer I

Dec 2016 - Present

San Luis Obispo, California

- Designed a transcription solution to provide more functionality than a legacy version
- Applied a generic transcription architecture to ensure modularity and ease of manipulation

California Polytechnic State University, Web Developer

Dec 2015 - Dec 2016

San Luis Obispo, California

- Maintained static web content accuracy for multiple Cal Poly marketing subdomains
- Designed a responsive, media-driven template to replace old website implementations

Microsoft, Research Intern

June 2016 - Sept 2016

Sunnyvale, California

- Designed a speech transcription framework for improved efficiency and usability
- Architected a cloud service and web portal for in-house transcription with emphasis on modularity

Institute of Advanced Technology and Public Policy, Software Developer

Feb 2015 - Dec 2015

San Luis Obispo, California

- Researched methods for obtaining accurate speech transcriptions on a crowd-based tool
- Improved the existing tool to support variable-length utterance transcription

Haberdashion, Mobile Engineering Intern

May 2015 - Sept 2015

Coupeville, Washington

- Increased the functionality of the existing mobile applications through new feature support

Education

California Polytechnic State University, BS in Computer Engineering

Sep 2014 - Present

San Luis Obispo, California

- Expected graduation date: June 2018
- Student grader and lab assistant for the Fundamentals of Computer Science series (CSC 101-103)
- CPE 315: Computer Architecture
- CPE 233: Computer Design
- CSC 103: Fundamentals of CS
- CPE 357: Systems Programming
- CPE 309: Software Engineering
- CSC 348: Discrete Structures

Skills and Abilities

- **Fields:** Speech Recognition, Web Services and Cloud APIs, SaaS, Machine Learning, Data Science, Analytics
- **Languages:** Java, Python, C, C++, C#, MySQL, NoSQL, HTML5, CSS3, JavaScript
- **Frameworks:** Android, Stripes, Django, .NET, Node.js + Express, Bootstrap, jQuery, React.js, Titanium
- Well acquainted with UNIX commands and Linux, Mac and Windows operating systems
- Skilled in the use of various tools, such as AWS, the Adobe Suite, Git/GitHub, and Visual Studio

Projects

Sigma Phi Delta Fraternity, Webmaster

<https://github.com/sigma-phi-delta-beta-nu>

- Led a team in developing and maintaining a dynamic web application to support the organization
- Presentations: Basics of Microcontroller Components, Isomorphic Web Applications

HackingEDU, Technical Lead

<https://github.com/hackingedu>

- Managed the implementation of responsive web and Android application designs

Independent, Student Developer

<https://github.com/14bmkelley>

- Trained speech detection wearable
- Custom terminal shell
- LZW compression implementation
- Dynamic android application
- Basic social media platform
- Custom single-cycle CPU
- Guitar tab auto-conversion
- Environmental computer mouse
- API for hackathon attendees