

Miguel Clement

Software Engineer

Austin, TX - Email me on Indeed: [indeed.com/r/Miguel-Clement/55ed6f5bb75f1e84](https://www.indeed.com/r/Miguel-Clement/55ed6f5bb75f1e84)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer

IBM Emerging Technologies - Austin, TX - June 2016 to Present

- Researched and evaluated different technologies from IBM Research and Open Source Projects in order to create possible future products.
- Mixer: developed an experimental web development tool that facilitates the creation of applications based on serverless architecture.
- Mixer: designed and implemented the system responsible for packaging and deploying user applications to the cloud.
- Mixer: architected the frontend and backend for the mixer homepage which included the main application management features along with a dynamic gallery of top applications created with Mixer.
- Re-implemented the Mixer rendering engine to secure user data when sharing mixer applications.
- Researched and implemented computer vision systems based on leading hardware and software solutions for the purpose of tracking human movement.
- Won 2016 IBM Emerging Technologies Cerebration award for work on Computer Vision.

Full Stack Software Engineer

Medicom (Startup) - Raleigh, NC - January 2015 to September 2015

- Instantiated and maintained Turn Servers for WebRTC to transfer application.
- Served as consultant on responsive design and Express Framework.
- Wrote transfer API for exposing backend services.
- Currently running at medicom.us

jStart Software Engineering Co-op

IBM Emerging Technologies - Durham, NC - January 2015 to August 2015

- Developed multiple proof of concept applications for IBM Bluemix, Docker, and other IBM Cloud technologies.
- Contributed to Open Source projects including the creation of a CLI Plugin that is available in the Cloud Foundry plugins catalog.
- Enhanced the Bluemix WordPress Boilerplate with an entirely new architecture.
- Created an interactive command line tutorial for the IBM Containers CLI to train developers.
- Published developer blog postings sharing observations from my development during my time with Jstart.

Project Management Business Analyst Intern

EDF Trading North America LLC - Houston, TX - May 2014 to July 2014

Designed UI and underlying structure for two new pages on the SOAR web app, EDF Trading's market and transaction portal.

- Worked with development team to implement new pages and release them

production.

- Tested existing pages and made interface usability improvements.
- Met with traders and managers to present new features and formulate new ideas for future site changes.

EDUCATION

M.S. in Computer Science

Georgia Tech - Austin, TX

June 2016 to May 2020

B.S. in Computer Science

Texas A & M University-College Station - College Station, TX

August 2011 to May 2016

SKILLS

Javascript (5 years), Node.js (5 years), Docker (3 years), C (4 years), C++ (5 years), C# (2 years), Go (2 years), Java (2 years), OpenCV (1 year), Computer Vision (1 year), Micro computing (2 years), Electronics (2 years), 3D printing (1 year), CAD (1 year), SQL (4 years), Git (4 years), OSS Development (2 years)

LINKS

<https://www.linkedin.com/in/migcl/>

AWARDS

Best Presentation of 2016

December 2016

Best IBM Emerging Technologies Cerebration Session Presentation of 2016 on the evaluation of different Computer Vision systems for the purpose of body tracking.

GROUPS

Texas A&M Computing Society

January 2013 to September 2015