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| **Bruce Liu** | **US Citizen** |
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| Coding Languages | Interfaces | Electrical Computer engineering skills |
| Python   * Matplotlib * NumPy   C++  C  Arm assembly  MIPS assembly  VHDL  Typescript.js  Java | PowerShell  Atom text editor  Visual studio  Jgrasp  Code blocks  Windows, Linux  Word, PowerPoint, Excel  Microsoft teams, Discord  TUNA (Tactical Undersea Network Architecture) | Research  Datasheets  Lab multimeter (Siglent SDM3045X)  Signal generator (FeelTechFY6800)  Oscilloscope (SDS1104X)  Multisim  Quartus  Arduino & Arduino CLI  PC building |

**Education:**

* **Computer engineering: Metropolitan State University Denver** “In progress” [part time]
  + Circuits, Digital Systems
  + Java, C, Python, VHDL
* **Associate of Science: Front Range Community College** 
  + Physics, Chemistry, Biology, Astronomy, Macroeconomics, Sociology, Psychology
  + Integral Calculus
  + astronomy club
* **High School diploma: Northglenn High School**
  + - Pottery, Arts and Crafts, Chemistry
    - FBLA, DECA, Card Club

**Job experience:**

* **Metropolitan State University Denver** role: **“Learning Assistant**” (2/2020 - 5/2021)
  + Intro to Computer Engineering
    - Showed a diagnostic teaching style
    - Used scientific notation to introduce a new perspective on learning binary and hexadecimal number systems and incorporated metric prefixes
    - Taught students to research and code
  + Senior design
    - Sourcing parts and data sheets
    - Drone project
    - Created a project to get the ball rolling to show what is possible.
    - Directed project planning and foreseeable issues.
    - Attempted to direct isolated testing to eliminate unknown’s loss time due to major project sections failure.
    - Decomposing and synthesizing requirements, parts, and steps
* **Lnomic Tech Solutions** role: “**Project Technician**” **(**5/2018-8/2018)
  + Traveled to Kroger stores in Colorado, New Mexico, Nevada, and Utah.
  + Trained employees how to use the new interface.
  + Over 150 PC’s and printers installed and updated

**Projects:**

* Drone project
* Kevlar chemical exposer deterioration experiment
  + Found that beach destroys Kevlar
* Computer science 1050 projects:
  + savings, reimbursement per mile
* CSP (customer service portal)
  + Installed and upgraded a lot of PCs.
* Built personal desktop computers
  + 3 times and semiannual maintenance

**Certifications**

* Aseptic Technique and Infection Control for the Sales Professional
* Bloodborne Pathogens Safety
* Fire Safety
* HIPAA: What Healthcare Workers Need to Know
* Orientation to the Operating Room for the Sales Professional
* Harassment & Discrimination Prevention
* Bullying in the Workplace
* Driver’s license