

Arthur Collins

Rio Linda, CA - Email me on Indeed: indeed.com/r/Arthur-Collins/e0c080998420dac7

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Air Resource Engineer Range D, Mechanical Professional Engineer

California State Air Resources Board - Sacramento, CA - May 1993 to Present

Air pollution analyst, large C++ code developer, maintainer of EMFAC motor vehicle emissions code, C++ codes to verify emissions database queries.

Corporate Nuclear Lead Technical Specialist

Aerojet Corp. - Rancho Cordova, CA - May 1982 to February 1993

Technical Manager, all analysis, surface test, underground nuclear test, design, documentation, production, and operational training for Peacekeeper Stage II and Small ICBM State II nuclear hardening and survivability aspects. Varying employee count: 10-20.

Final Clearance: TSRD (Top Secret Restricted Data) CNWDI (Critical Nuclear Weapons Design Information) WNINTEL (NATO Warning Notice Foreign Intelligence Sources At Risk).

Principal Investigator, Thermal Design and Test, NASA Hubble Telescope

Perkin Elmer Government Operations Div. - Danbury, CT - May 1979 to April 1982

1) Principle investigator, thermal analysis and test, primary mirror, NASA Hubble telescope, analyzed, coordinated and integrated with all optical, structural, control and thermal teams on the NASA Hubble telescope.

2) Thermal analysis and design of classified helicopter laser threat warning system.

3) Nuclear hardening / analysis of classified satellite surveillance systems.

Final clearance: SRD (Secret Restricted Data) CNWDI (Critical Nuclear Weapons Design Information).

Nuclear Weapons Effects Specialist

Lockheed Martin - Sunnyvale, CA - April 1959 to April 1979

Nuclear weapons effects / hardening analysis / tests on all re-entry vehicles of navy fleet ballistic program between 1959 and 1979. Ditto for B-52, multiple Army field fortifications, multiple surveillance satellites. Final clearance: SRD (Secret Restricted Data) CNWDI (Critical Nuclear Weapons Design Information)

EDUCATION

None in Quantum Field Theory, Lockheed Honors Program

Stanford University - Palo Alto, CA

September 1962 to June 1968

MS in Aeronautical Engineering

UC Berkeley - Berkeley, CA

September 1957 to February 1959

BS ME in Mechanical Engineer Thermal Fluid Flow

UC Berkeley - Berkeley, CA

June 1955 to June 1957

SKILLS

Walnut, Peach, Grape Farmer (6 years), Fluent Spanish Speak, Read, Write: Guatemala (10+ years), 50% Gringo, 50% Latino